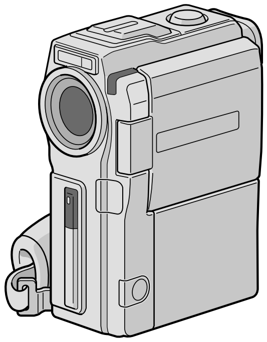
JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVX8EG/EK/DVX9EG/EK /DVX10EG/EK



Mini DV PAL

DSC DIGITAL STILL CAMERA

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVX9EG/EK/DVX10EG/EK)*

Camcorder

For General

Power supply	DC 6.3 V ⎓ (Using AC Power Adapter/Charger) DC 7.2 V ⎓ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	
GR-DVX10	Approx. 4.9 W
GR-DVX9	Approx. 4.6 W
LCD monitor on, viewfinder off	
GR-DVX10	Approx. 5.8 W
GR-DVX9	Approx. 5.5 W
Dimensions (W x H x D)	51 mm x 125 mm x 97 mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	Approx. 515 g (without cassette, MultiMediaCard and battery) Approx. 590 g (incl. cassette, MultiMediaCard and battery)
Operating temperature	0°C to 40°C
Operating humidity	35% to 80%
Storage temperature	–20°C to 50°C
Pickup	1/4" CCD (Progressive Scan)
Lens	F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens
Filter diameter	ø27 mm
LCD monitor	2.5" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	Electronic viewfinder with 0.44" colour LCD
Speaker	Monaural

For Digital Video Camera

Format	DV format (SD mode)
Signal format	PAL standard
Recording/Playback format	Video: Digital component recording Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	Mini DV cassette
Tape speed	SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	SP: 80 min. LP: 120 min.

For Digital Still Camera

Storage media	MultiMediaCard
Compression system	JPEG (compatible)
File size	2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels)
Picture quality	2 modes (FINE/STANDARD)
Approximate number of storable images	
(with the provided MultiMediaCard [8 MB], with Sound Effects pre-stored)	
FINE	46 (VGA), 21 (XGA)
STANDARD	133 (VGA), 64 (XGA)
(with an optional MultiMediaCard [4 MB])	
FINE	26 (VGA), 12 (XGA)
STANDARD	76 (VGA), 36 (XGA)
(with an optional MultiMediaCard [8 MB])	
FINE	54 (VGA), 24 (XGA)
STANDARD	155 (VGA), 75 (XGA)

For Connectors

Video output	1 V (p-p), 75 Ω, analogue
Audio output	300 mV (rms), 1 kΩ, analogue, stereo
DV	
Input/output (GR-DVX10 only)	4-pin, IEEE 1394 compliant
Output (GR-DVX9 only)	4-pin, IEEE 1394 compliant
Headphone output	ø3.5 mm, stereo

AC Power Adapter/Charger AA-V51EG or AA-V51EK

Power requirement	AC 110 V to 240 V∿, 50 Hz/60 Hz
Power consumption	23 W
Output	
Charge	DC 7.2 V ⎓ , 0.77 A
VTR	DC 6.3 V ⎓ , 1.8 A
Dimensions (W x H x D)	68 mm x 45 mm x 110 mm
Weight	
AA-V51EG	Approx. 255 g
AA-V51EK	Approx. 330 g

Docking Station CU-V502E

For General

Dimensions (W x H x D)	55 mm x 36 mm x 107 mm
Weight	Approx. 89.9 g

For Connectors

S	
Output	Y : 1 V (p-p), 75 Ω, analogue C : 0.29 V (p-p), 75 Ω, analogue
Input (GR-DVX10 only)	Y : 0.8 V (p-p) – 1.2 V (p-p), 75 Ω, analogue C : 0.2 V (p-p) – 0.4 V (p-p), 75 Ω, analogue
VIDEO	
Video output	1 V (p-p), 75 Ω, analogue
Video input (GR-DVX10 only)	0.8 V (p-p) – 1.2 V (p-p), 75 Ω, analogue
AUDIO	
Audio output	300 mV (rms), 1 kΩ, analogue, stereo
Audio input (GR-DVX10 only)	300 mV (rms), 50 kΩ, analogue, stereo
JLIP (EDIT)	ø3.5 mm, 4-pole, mini-head jack (compatible with RC-5325 plug)
PC (DIGITAL STILL)	ø2.5 mm, 3-pole
External microphone input	506 µV (rms), high impedance unbalanced with ø3.5 mm (stereo)
PRINTER	For an optional video printer equipped with a PRINT DATA connector

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

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The following table lists the differing points between Models GR-DVX8EG/EK, GR-DVX9EG/EK and GR-DVX10EG/EK in this series.

	GR-DVX8EG	GR-DVX8EK	GR-DVX9EG	GR-DVX9EK	GR-DVX10EG	GR-DVX10EK
FLASH	NOT USED		USED			
DSC MODE	NOT USED		USED			
DUAL MODE	NOT USED		USED			
DIGITAL SOUND	NOT USED		USED			
MULTI MEDIA CARD	NOT USED		PROVIDE			
ANALOG VIDEO INPUT	NOT USED				USED	
DV IN/OUT	OUT ONLY				IN/OUT	
DOCKING STATION	CU-V503E		CU-V502E			
AC POWER ADAPTER	AA-V51EG	AA-V51EK	AA-V51EG	AA-V51EK	AA-V51EG	AA-V51EK

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

●Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded (░) parts are critical for safety.
   Replace only with specified part numbers.
   Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape
   2) PVC tubing
   3) Spacers
   4) Insulation sheets for transistors
   5) Barrier

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

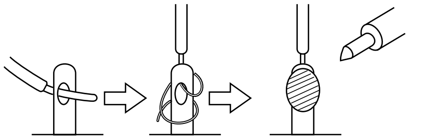


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

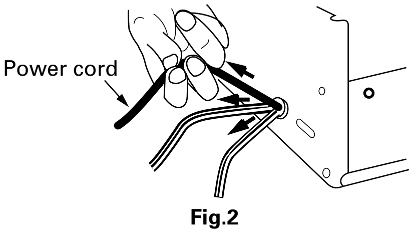


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    1) **Connector part number** : E03830-001
    2) **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.
    3) **Replacement procedure**
       (1) Remove the old connector by cutting the wires at a point close to the connector.
       Important : Do not reuse a connector (discard it).

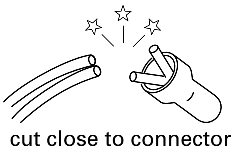


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

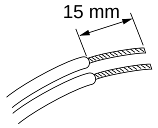


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

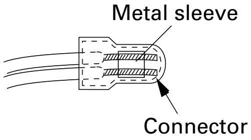


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

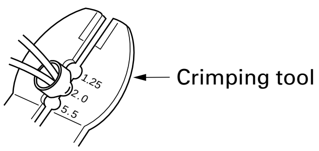


Fig.6

(5) Check the four points noted in Fig.7.

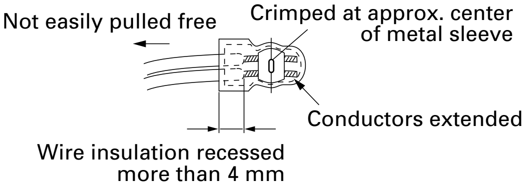

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. **Insulation resistance test**
   Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. **Dielectric strength test**
   Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. **Clearance distance**
   When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

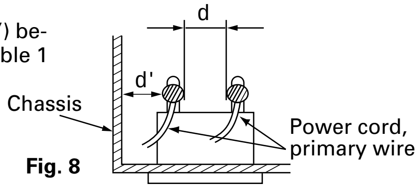


Fig. 8

4. **Leakage current test**
   Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
   Measuring Method : (Power ON)
   Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

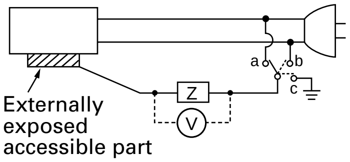


Fig. 9

5. **Grounding (Class Ⅰ model only)**
   Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).
   Measuring Method:
   Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

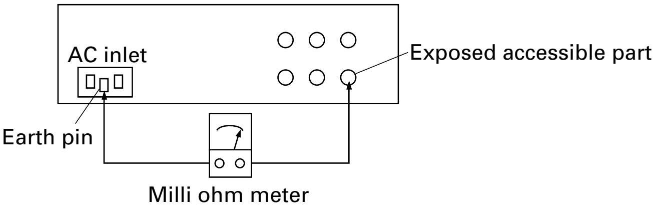


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R ≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 miute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦ R ≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

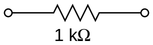
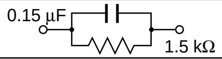
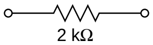
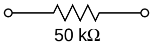
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan		i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada		i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia		i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
			i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1
DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
   Unless specified otherwise, tighten screws at a torque of 0.078N·m (0.8kgf·cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig No.	POINT	NOTE
①	DECK OPE ASSY	Fig.1-3-1	2(S①), (L①) ☆CN Ⓐ	–
②	FRONT COVER ASSY		(S②a), (S②b), 2(S②c), (S②d) (S②e), (S②f), (L②) ☆CN Ⓑ	–

(1) (2) (3) (4) (5)

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.

(2) Indicates the name of disassembly/assembly parts.

(3) Indicates the number in the disassembly diagram.

(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol	Name, Point
S	Screw
L	Lock, Pawl, Hook
SD	Soldering
☆ (Others)	Connector, Cover, Bracket, etc.

(Example)

- 2 (S1): Remove the two screws (S1) for removing the part 1.
- CN A : Disconnect the connector A.
- SD1 : Unsolder at the point SD1.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*

↔ : Wire
⇔ : Flat wire
⬌ : Board to Board connector

[Example]

CONN. No.	CONNECTOR					Pin No.
Ⓐ	DECK OPE ASSY	–	⇔	AUDIO VF	CN803	6

1.1.4 Disconnection of Connectors (Wires)

Connector
Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

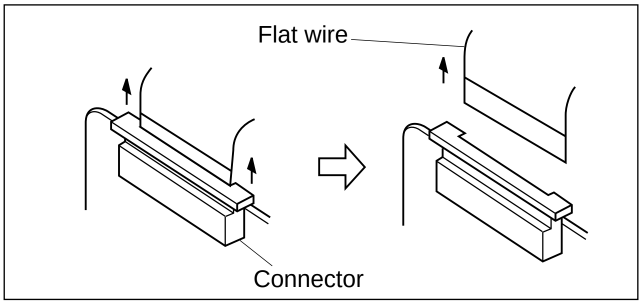


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

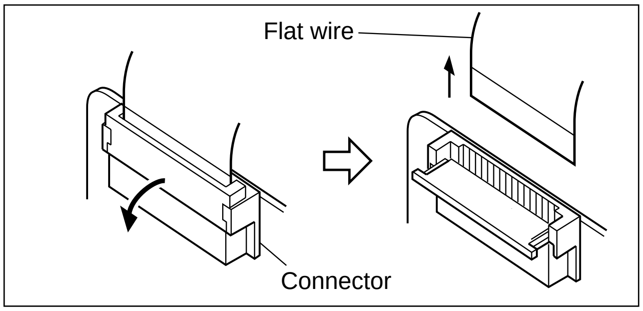


Fig. 1-1-2 Connector 2

B-B connector
Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector

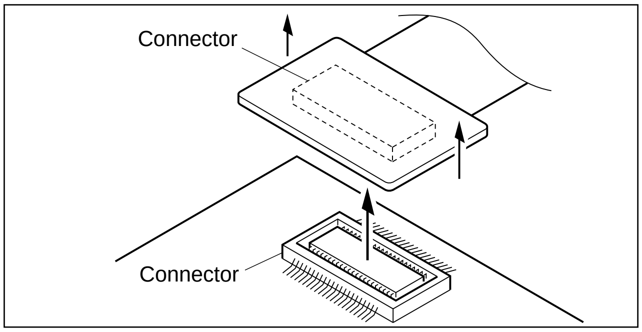


Fig. 1-1-3 Connector 3

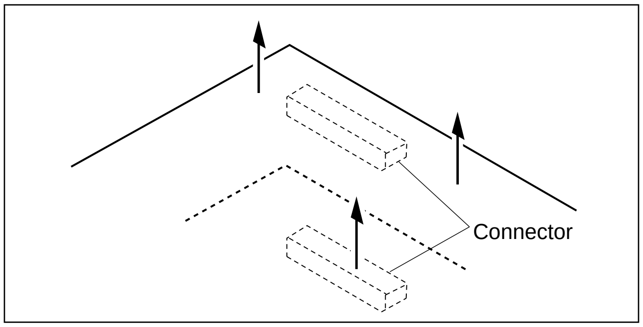


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

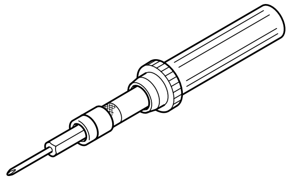
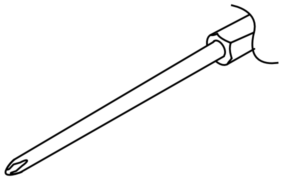
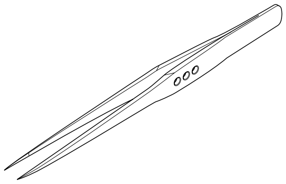
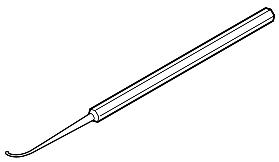
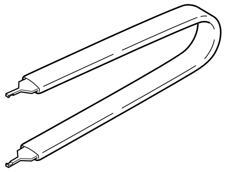
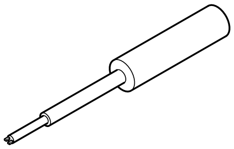
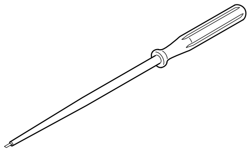
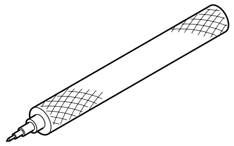
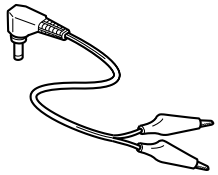
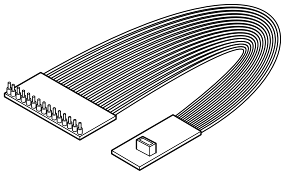
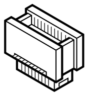
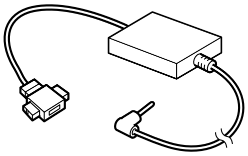
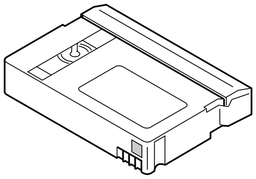
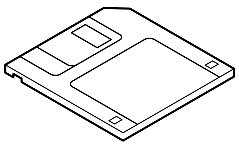
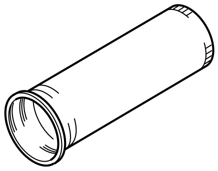
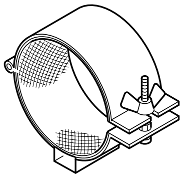
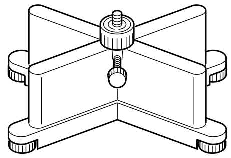
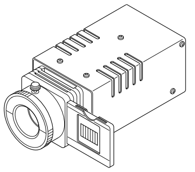
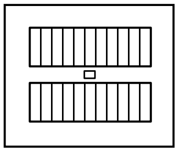
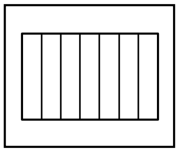
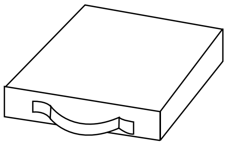
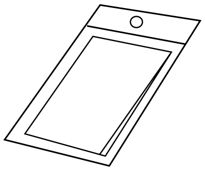
1 Torque Driver YTU94088	2 Bit YTU94088-003	3 Tweezers P-895	4 Chip IC Replacement Jig PTS40844-2
			
5 Connector Extractor YTU94036A	6 Guide Driver YTU94148A	7 Adjustment Driver YTU94028	8 Slit Washer Installation Jig YTU94121A
			
9 Power Supply Jig YTU94060A	10 Jig Connector Cable YTU93091B	11 Extension connector YTU94145A	12 PC Cable QAM0099-002
			
13 Alignment Tape MC-2	14 Service Support System YTU94057-48	15 INF Adjustment Lens YTU92001B	16 INF Adjustment Lens Holder YTU94087
			
17 Camera Stand YTU93079	18 Light box Assembly YTU93096A	19 Gray Scale Chart YTU94133A	20 Color Bar Chart YTU94133C
			
21 Soldering Kit YTU96016C	22 Cleaning Cloth KSMM-01		
			

Table 1-2-1

1. Torque driver
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. Bit
   This bit is slightly longer than those set in conventional torque drivers.
3. Tweezers
   To be used for removing and installing parts and wires.
4. Chip IC replacement jig
   To be used for adjustment of the camera system.
5. Connector extractor
   To be used to release the connector.
6. Guide driver
   To be used to turn the guide roller to adjustment of the linarity of playback envelope.
7. Adjustment driver
   To be used for adjustment.

8. Slit washer installation jig
To be used to install slit washers.

9. Power supply jig
To be used for power supply to the set when the exclusive DC power cord is not used. Carefully use this jig, especially not to damage the battery terminal (+/-).

10. Jig connector cable
Connected to CN1010 of the main board and used for electrical adjustment, etc.

11. Extension connector
Connect this extension connector to the connector of the jig connector cable for extending the cable connector.
Note: *For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.*

12. PC cable
To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

13. Alignment tape
To be used for check and adjustment of interchangeability of the mechanism.

14. Service support system
To be used for adjustment with a personal computer.

15. INF adjustment lens
To be used for adjustment of the camera system.

16. INF adjustment lens holder
To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.

17. Camera stand
To be used together with the INF adjustment lens holder.

18. Light box assembly
To be used for adjustment of the camera system.

19. Gray scale chart (for Light box assembly)
To be used for adjustment of the camera system.

20. Color bar chart (for Light box assembly)
To be used for adjustment of the camera system.

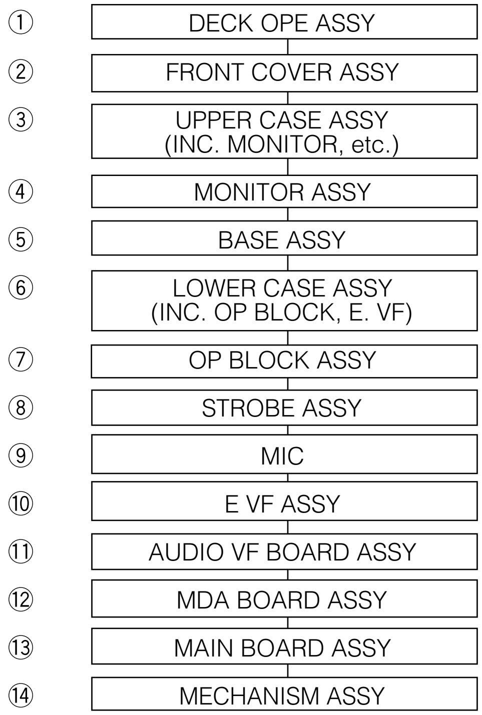
21. Soldering kit
Thin head is made so that it can be inserted into small spaces.

22. Cleaning cloth
Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.


① DECK OPE ASSY
② FRONT COVER ASSY
③ UPPER CASE ASSY (INC. MONITOR, etc.)
④ MONITOR ASSY
⑤ BASE ASSY
⑥ LOWER CASE ASSY (INC. OP BLOCK, E. VF)
⑦ OP BLOCK ASSY
⑧ STROBE ASSY
⑨ MIC
⑩ E VF ASSY
⑪ AUDIO VF BOARD ASSY
⑫ MDA BOARD ASSY
⑬ MAIN BOARD ASSY
⑭ MECHANISM ASSY

1.3.2 Disassembly method (I)

STEP No.	PART	Fig No.	POINT	NOTE
①	DECK OPE ASSY	Fig.1-3-1	2(S①), (L①) ☆CN Ⓐ	–
②	FRONT COVER ASSY		(S②a), (S②b), 2(S②c), (S②d) (S②e), (S②f), (L②) COVER (DV), STUD (HOOK) ☆CN Ⓑ	–
③	U. CASE ASSY (Inc. MONITOR ASSY)	Fig. 1-3-2a	2(S③a), (S③b), 2(S③c), 3(S③d) LOCK (MONITOR) ☆CN Ⓒ, Ⓓ, Ⓔ (CN Ⓒ : DVX9,10 ONLY)	NOTE③a NOTE③b
④	MONITOR ASSY	Fig. 1-3-2b	(S④a), (S④b)	NOTE④
⑤	BASE ASSY	Fig. 1-3-3	(S⑤a), (S⑤b), (S⑤c) ☆CN Ⓕ	–
⑥	L. CASE ASSY	Fig. 1-3-4	6(S⑥) ☆CN Ⓖ, Ⓗ, Ⓙ, Ⓚ, Ⓛ, Ⓜ, Ⓝ (CN Ⓖ, Ⓚ : DVX9,10 ONLY)	NOTE⑥a NOTE⑥b NOTE⑥c
⑦	OP BLOCK ASSY	Fig. 1-3-5	(S⑦)	NOTE⑦a NOTE⑦b
⑧	STROBE ASSY (DVX9,10 ONLY)	Fig. 1-3-6	(S⑧)	NOTE⑧
⑨	MIC	Fig. 1-3-7	(L⑨) ☆CN Ⓞ	NOTE⑨
⑩	E VF ASSY	Fig. 1-3-8	(S⑩a), (S⑩b), (S⑩c), 2(L⑩a) (L⑩b), BRACKET (TOP) ☆CN Ⓟ	NOTE⑩a NOTE⑩b NOTE⑩c
⑪	AUDIO VF BOARD ASSY	Fig. 1-3-9	2(S⑪a), (S⑪b), 2(L⑪) ☆CN Ⓠ	–
⑫	MDA BOARD ASSY	Fig. 1-3-10	(S⑫) ☆CN Ⓡ, Ⓢ, Ⓣ, Ⓤ, Ⓥ	NOTE⑫a NOTE⑫b
⑬	MAIN BOARD ASSY		(S⑬a), (S⑬b), (L⑬) SHIELD PLATE ☆CN Ⓦ, Ⓧ	NOTE⑬
⑭	MECHANISM ASSY		2(S⑭a), (S⑭b), 2(L⑭) BRACKET (MECHA)	–

Table 1-3-2

CONN. No.	CONNECTOR					Pin No.
Ⓐ	DECK OPE ASSY	–	⟺	AUDIO VF	CN803	6
Ⓑ	JACK	CN901	⟺	MAIN	CN1008	16
Ⓒ	MDA	CN207	⟺	SUB OPE ASSY	–	7
Ⓓ	MAIN	CN1004	↔	W/B SENS	–	3
Ⓔ	MAIN	CN1007	⟺	MONITOR	CN7501	45/39
Ⓕ	MAIN	CN1014	⟺	MULTI PIN	–	33
Ⓖ	MDA	CN208	⟺	MMC	CN601	14
Ⓗ	MDA	CN205	⟺	OP BLOCK ASSY	–	24
Ⓙ	MAIN	CN1009	↔	EJECT SW	–	2
Ⓚ	MAIN	CN1011	⟺	STROBE	CN6501	12
Ⓛ	MAIN	CN1003	⟺	CCD	–	20
Ⓜ	MAIN	CN1016	⬌	AUDIO VF	CN801	100
Ⓝ	MAIN	CN1017	↔	CCD	CN5203	2
Ⓞ	AUDIO VF	CN804	↔	MIC	–	5
Ⓟ	VF BL	CN501	⟺	AUDIO VF	CN805	20
Ⓠ	AUDIO VF	CN802	↔	CAMERA OPE UNIT	–	12
Ⓡ	MAIN	CN1002	⬌	MDA	CN206	80
Ⓢ	MDA	CN202	⟺	DRUM MOTOR	–	11
Ⓣ	MDA	CN201	⟺	LOADING MOTOTR	–	6
Ⓤ	MDA	CN203	⟺	CAPSTAN MOTOR	–	18
Ⓥ	MDA	CN204	⟺	SENSOR	–	15
Ⓦ	MAIN	CN1005	⟺	ROTARY ENCODER	–	6
Ⓧ	MAIN	CN1001	⟺	HEAD	–	8

Table 1-3-3

Note③a: *When removing, be careful not to break the wire.*

Note③b: *When removing, be careful not to damage any part. On removing, slightly open the front side so as to shift it from the frame.*

Note④: *For disassembling method, refer to Fig. 1-4-1.*

Note⑥a: *When removing, be careful not to break the wire.*

Note⑥b: *Remove the board assembly (MAIN/MDA) and mechanism assembly together.*

Note⑥c: *When installing, arrange the wire between the OP block assembly and VF assembly.*

Note⑦a: *When removing, be careful neither to break the wire nor to damage any part.*

Note⑦b: *For disassembling method, refer to Fig. 1-6-1.*

Note⑧: *Be careful not to get an electric shock during the work.*

Note⑨: *When reassembling, carefully arrange the wire.*

Note⑩a: *When disassembling/reassembling, be careful not to damage any part.*

Note⑩b: *When reassembling, set the bracket (top) as the VF unit is pulled out, and secure the installation in order of (L⑩a) and (L⑩b).*

Note⑩c: *For disassembling method, refer to Fig. 1-5-1.*

Note⑫a: *When disconnecting the connector, carefully handle the FPC on the top of the connector.*

Note⑫b: *Disconnect the connector Ⓥ last, because it is positioned inside.*

Note⑬: *When reassembling, carefully locate the FPC so that it is sandwiched between the mechanism assembly and MAIN board assembly.*

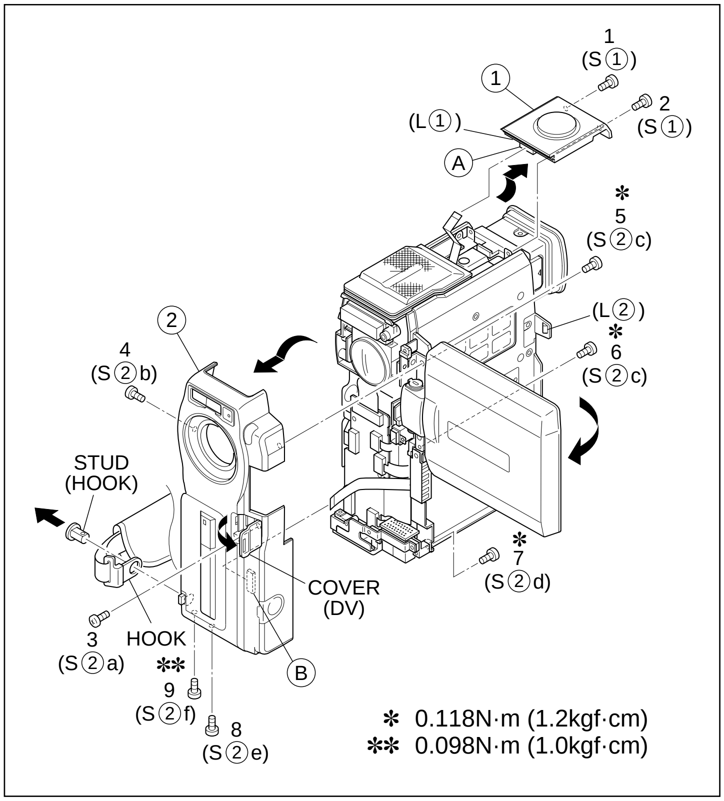

1
(S①)
①
2
(S①)
(L①)
Ⓐ
✻
5
(S②c)
(L②)
✻
6
(S②c)
②
4
(S②b)
STUD
(HOOK)
✻
7
(S②d)
COVER
(DV)
3
(S②a)
HOOK
✻✻
9
(S②f)
Ⓑ
8
(S②e)
✻ 0.118N·m (1.2kgf·cm)
✻✻ 0.098N·m (1.0kgf·cm)

Fig. 1-3-1

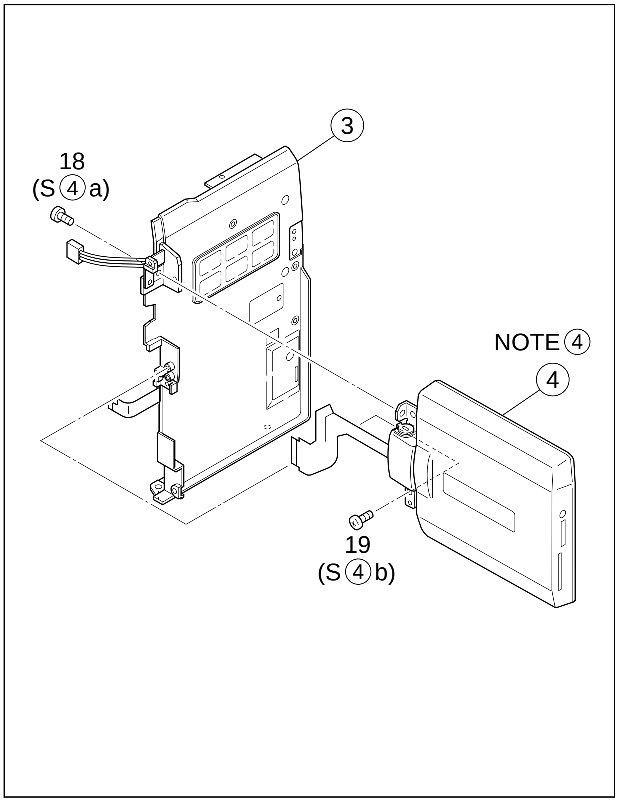

③
18
(S④a)
NOTE④
④
19
(S④b)

Fig. 1-3-2b

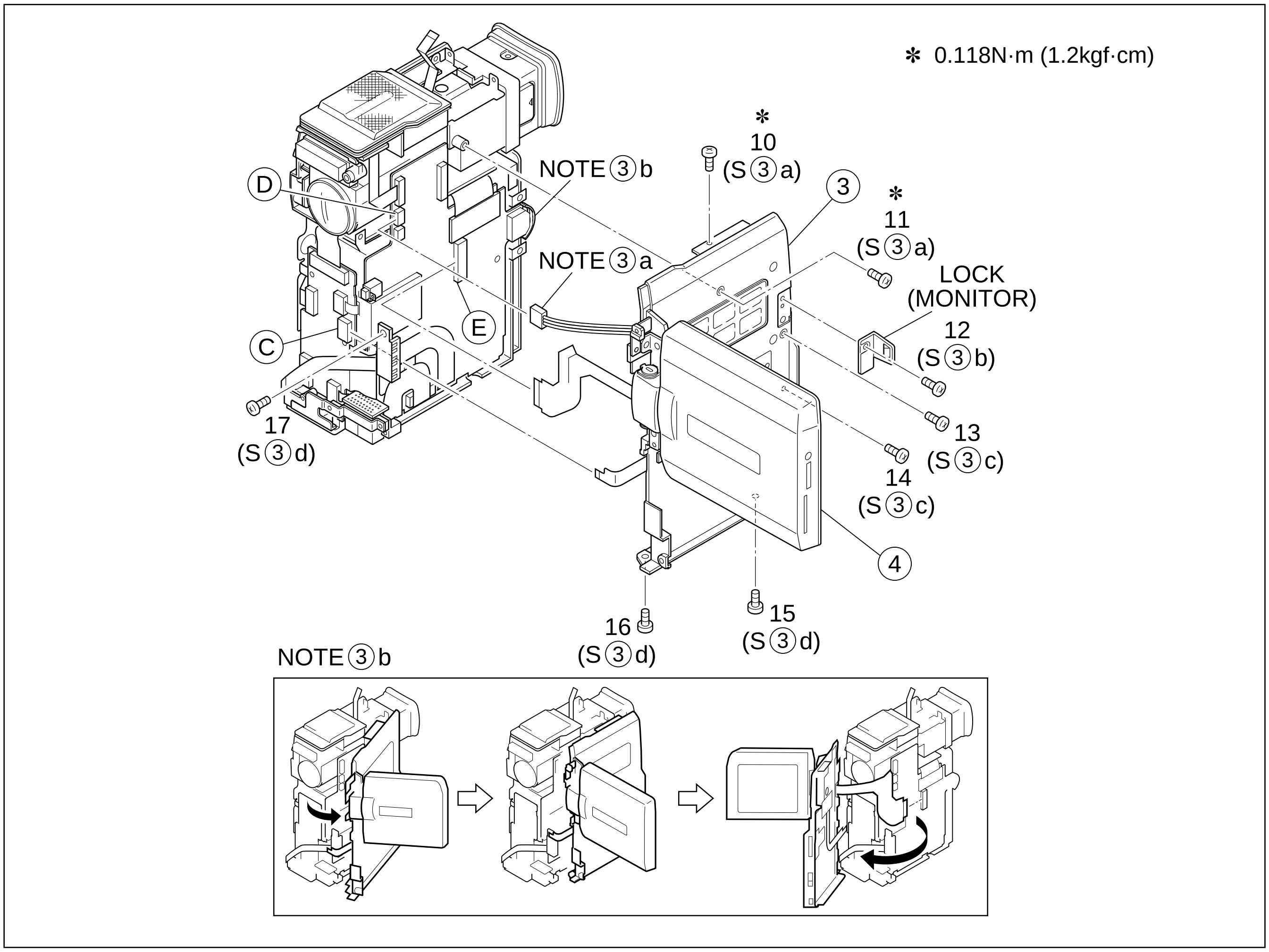
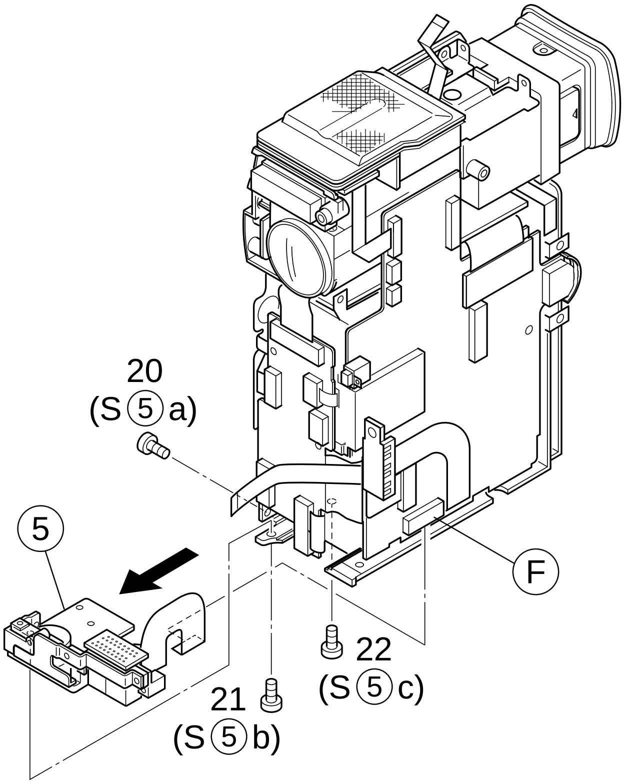
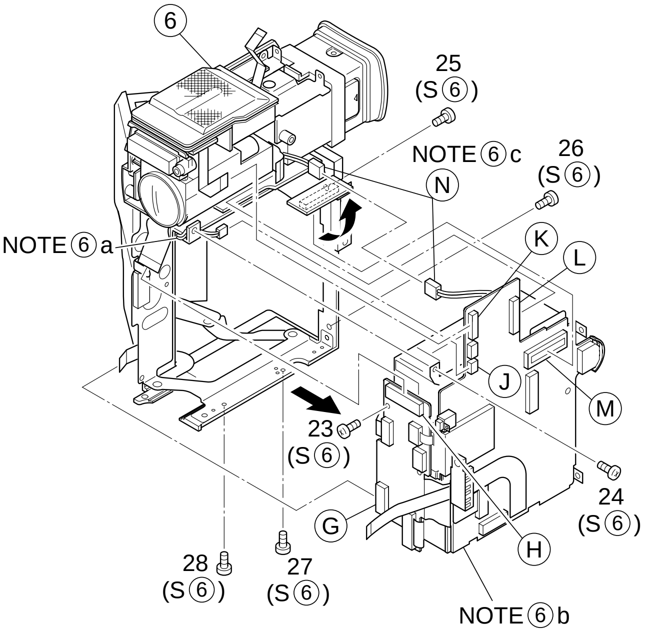

✻ 0.118N·m (1.2kgf·cm)
✻
10
(S③a)
NOTE③b
Ⓓ
③
✻
11
(S③a)
NOTE③a
LOCK
(MONITOR)
Ⓔ
Ⓒ
12
(S③b)
17
(S③d)
13
(S③c)
14
(S③c)
④
16
(S③d)
15
(S③d)
NOTE③b

Fig. 1-3-2a



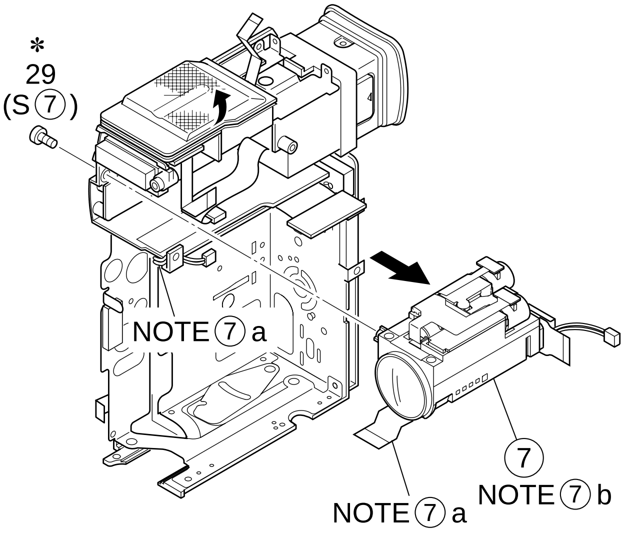
20
(S⑤a)
⑤
Ⓕ
22
(S⑤c)
21
(S⑤b)

Fig. 1-3-3



⑥
25
(S⑥)
NOTE⑥c
26
(S⑥)
Ⓝ
NOTE⑥a
Ⓚ
Ⓛ
Ⓙ
Ⓜ
23
(S⑥)
24
(S⑥)
Ⓖ
Ⓗ
28
(S⑥)
27
(S⑥)
NOTE⑥b

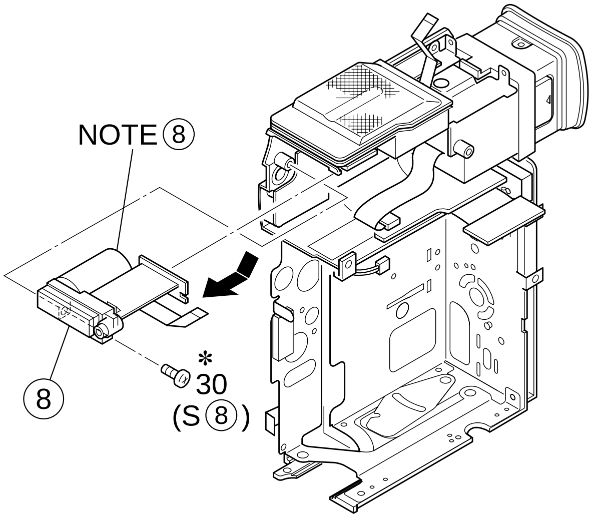
Fig. 1-3-4



✻
29
(S⑦)
NOTE⑦a
⑦
NOTE⑦b
NOTE⑦a

✻ 0.118N·m (1.2kgf·cm)

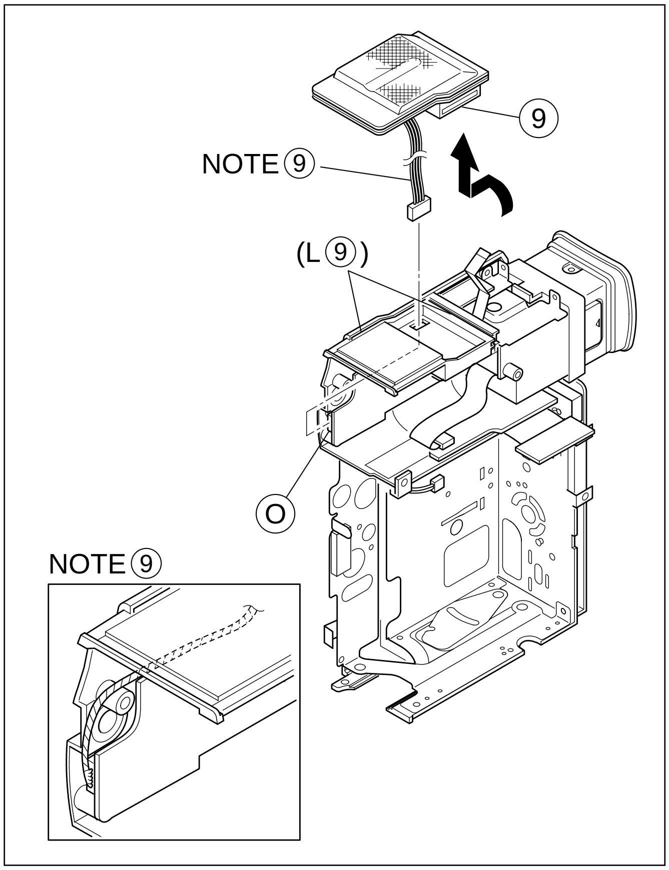
Fig. 1-3-5



NOTE⑧
⑧
✻
30
(S⑧)

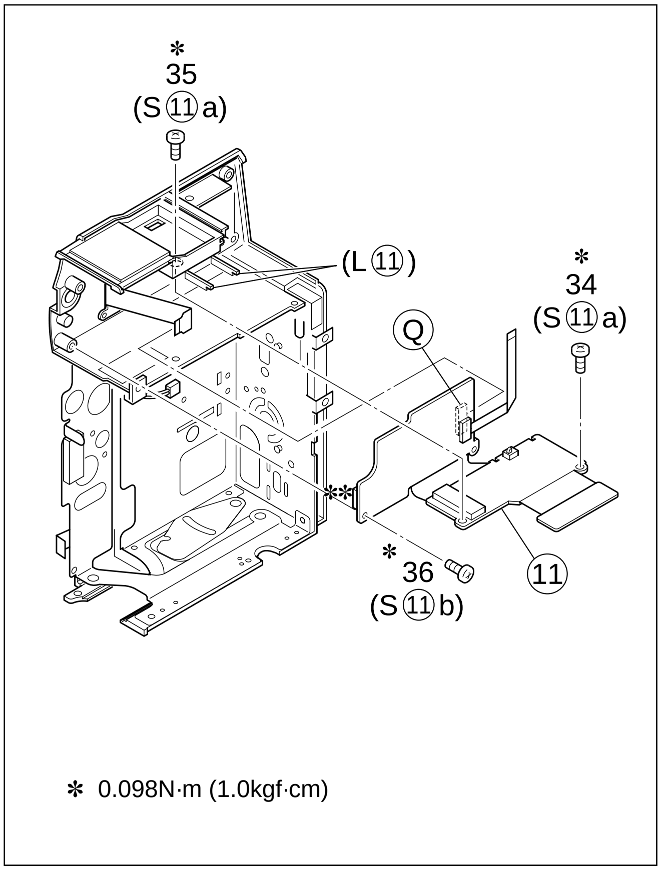
✻ 0.098N·m (1.0kgf·cm)

Fig. 1-3-6



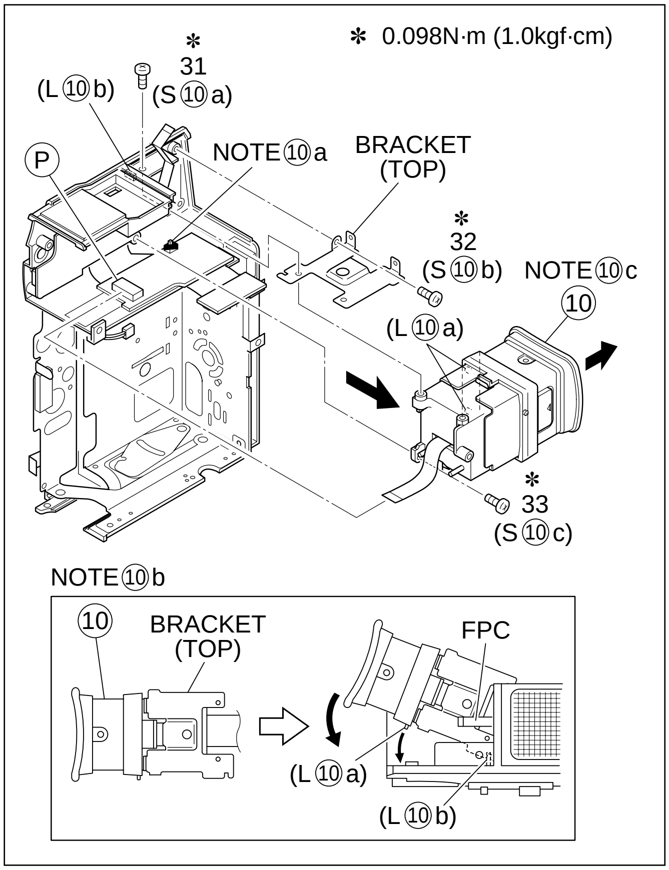
⑨
NOTE ⑨
(L ⑨)
O
NOTE ⑨

Fig. 1-3-7



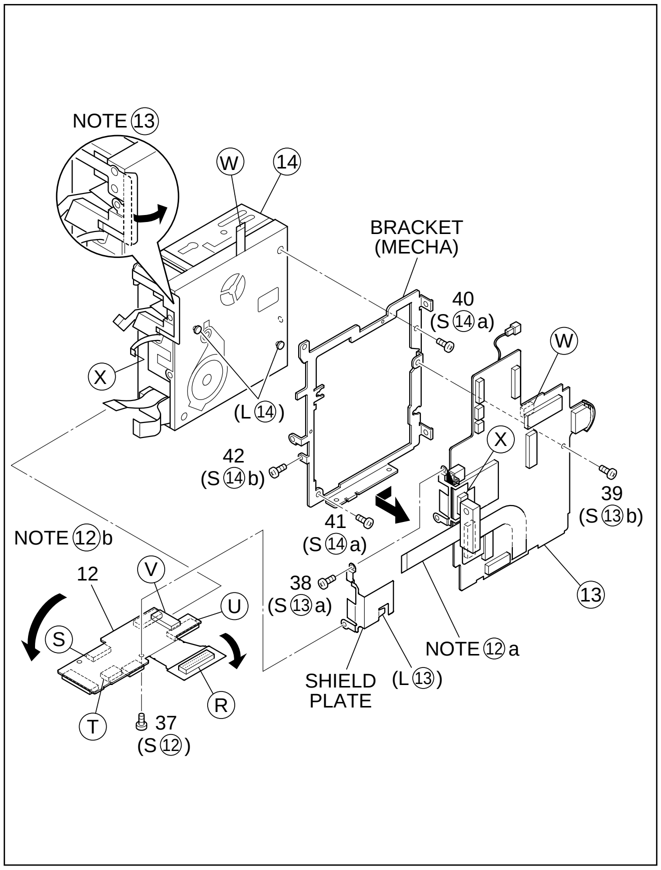
✻
35
(S ⑪ a)
(L ⑪)
Q
✻
34
(S ⑪ a)
✻
36
(S ⑪ b)
⑪
✻ 0.098N·m (1.0kgf·cm)

Fig. 1-3-9



✻ 0.098N·m (1.0kgf·cm)
✻
31
(L ⑩ b)
(S ⑩ a)
P
NOTE ⑩ a
BRACKET
(TOP)
✻
32
(S ⑩ b)
NOTE ⑩ c
⑩
(L ⑩ a)
✻
33
(S ⑩ c)
NOTE ⑩ b
⑩
BRACKET
(TOP)
FPC
(L ⑩ a)
(L ⑩ b)

Fig. 1-3-8



NOTE ⑬
W
⑭
BRACKET
(MECHA)
40
(S ⑭ a)
W
X
(L ⑭)
X
42
(S ⑭ b)
39
(S ⑬ b)
NOTE ⑫ b
41
(S ⑭ a)
12
V
U
38
(S ⑬ a)
⑬
S
NOTE ⑫ a
SHIELD
PLATE
(L ⑬)
T
37
(S ⑫)
R

Fig. 1-3-10

1.4 DISASSEMBLY OF ④ MONITOR ASSEMBLY

1.4.1 ④ Monitor assembly/Hinge assembly

1. Remove the four screws (1-4). While opening the monitor cover assembly as shown by the arrow, release the two hooks (L④a, L④b) from engagement and remove the monitor cover assembly.
2. Remove the parts out of the monitor case assembly and unlock the connector Ⓨ. While raising the hinge assembly upwards, get the two hooks (L④c, L④d) disengaged and disconnect the FPC by pulling it out. Then, remove the hinge assembly.

Note④a: *When removing the parts out of the monitor case assembly, be very careful not to damage the FPC and parts.*

3. Disconnect FPC from the connector Ⓩ and then remove the MONITOR board assembly and backlight.

Note④b: *Remove the MONITOR board assembly and backlight together unless it is needed to separate them from each other for part replacement, etc., because the two are soldered to each other.*

4. Remove the LCD module.

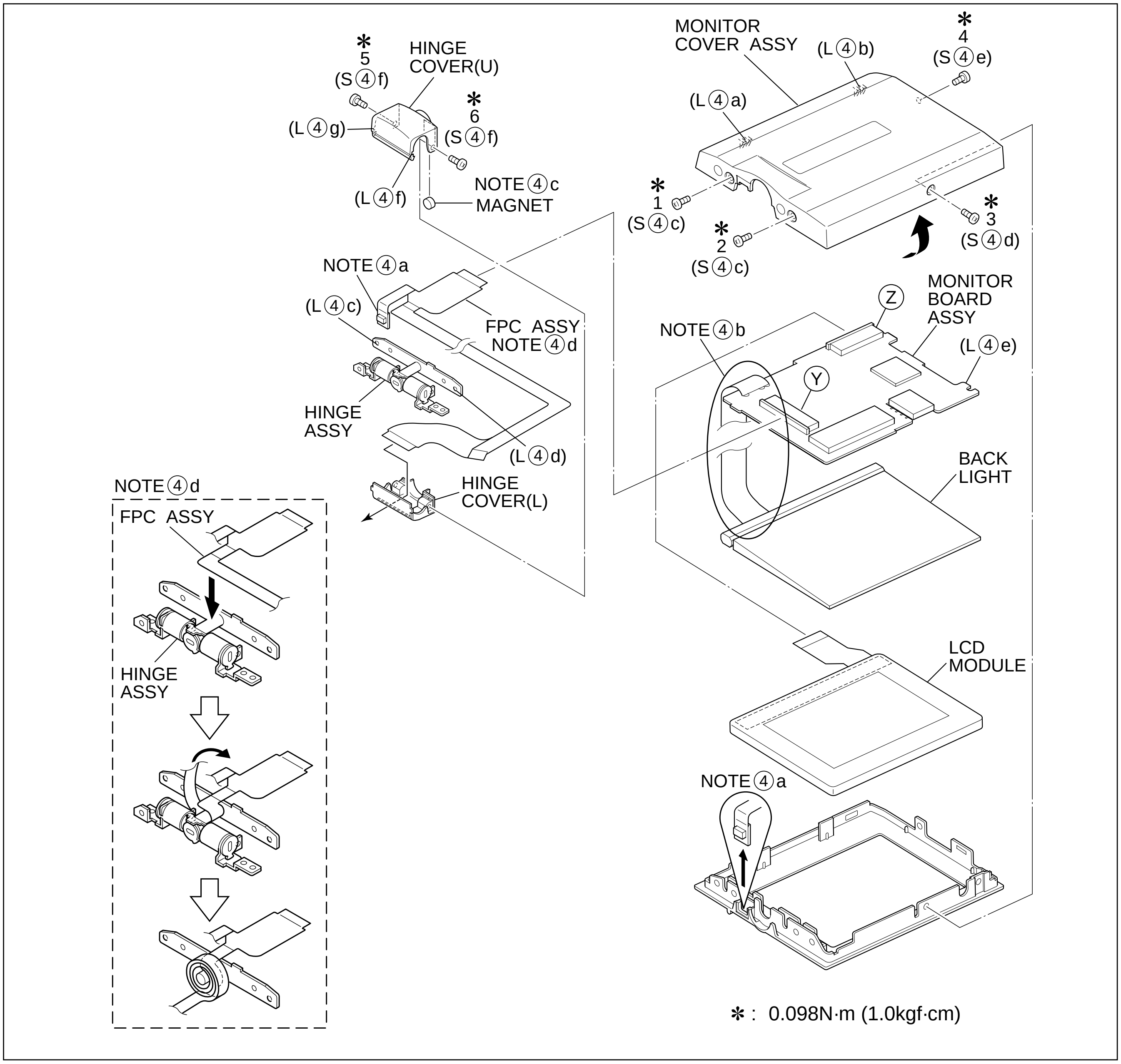
1.4.2 Hinge assembly

1. Remove the two screws (5, 6). While releasing the two hooks (L④f, L④g) from engagement, remove the hinge cover (U).

Note④c: *Be careful not to lose any part during the above-mentioned process.*

2. Draw the FPC assembly out of the hinge cover (L) and then remove the FPC assembly from the hinge assembly.

Note④d: *When reassembling, wind the FPC assembly around the hinge assembly by three turns and a half.*
Be careful not to break the FPC wire during the work.


∗ 5 (S④f)
HINGE COVER(U)
∗ 6 (S④f)
(L④g)
(L④f)
NOTE④c MAGNET
NOTE④a
(L④c)
FPC ASSY NOTE④d
HINGE ASSY
(L④d)
HINGE COVER(L)
NOTE④d
FPC ASSY
HINGE ASSY
MONITOR COVER ASSY
(L④b)
∗ 4 (S④e)
(L④a)
∗ 1 (S④c)
∗ 2 (S④c)
∗ 3 (S④d)
Ⓩ
MONITOR BOARD ASSY
NOTE④b
(L④e)
Ⓨ
BACK LIGHT
LCD MODULE
NOTE④a

∗ : 0.098N·m (1.0kgf·cm)

Fig. 1-4-1

1.5 DISASSEMBLY OF ⑩ E VF ASSEMBLY

1.5.1 ⑩E VF assembly

Note⑤a: *When disassembling the E VF assembly, remove the frame (VF) from the case assembly depending on the situation.*

Note⑤b: *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E VF assembly.*

Note⑤c: *After the screw having the loose-proof tip was once removed from the E VF assembly, don't reuse it.*

1. Remove the eyecup and pull out the guide (VF).
2. Draw the frame (VF) out of the case assembly.

<Case assembly>

3. Remove the screw (1) first and then lever (VF).
4. Remove the three screws (2-4) and draw out the eyepiece sub assembly.

<Frame (VF)>

5. Remove the screw (5) first and then LCD module/holder (LCD).

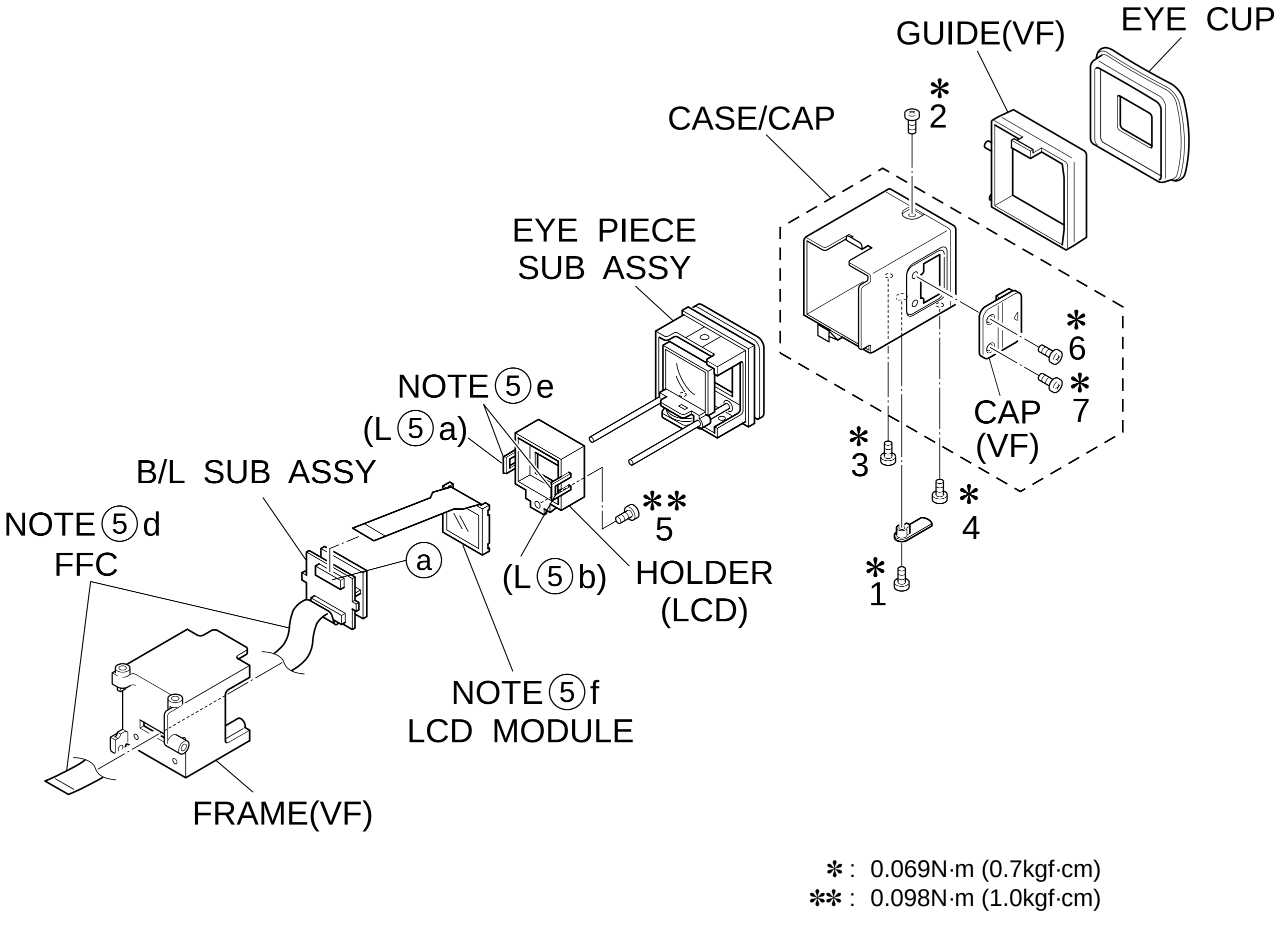
Note⑤d: *Pay heed to the FFC not to damage it during the removing work.*

6. Get the two hooks (L⑤a, L⑤b) disengaged and then remove the holder (LCD).

Note⑤e: *Carefully proceed with the above-mentioned work not to damage any part.*

7. Disconnect the connector (a) and remove the LCD module.

Note⑤f: *Pay heed the parts not to damage any thing.*


EYE CUP
GUIDE(VF)
CASE/CAP
＊ 2
EYE PIECE SUB ASSY
＊ 6
＊ 7
CAP (VF)
NOTE ⑤ e
(L ⑤ a)
B/L SUB ASSY
＊ 3
＊ 4
＊＊ 5
NOTE ⑤ d
FFC
ⓐ
(L ⑤ b)
HOLDER (LCD)
＊ 1
NOTE ⑤ f
LCD MODULE
FRAME(VF)

＊ : 0.069N·m (0.7kgf·cm)
＊＊ : 0.098N·m (1.0kgf·cm)

Fig. 1-5-1

1.6 DISASSEMBLY OF ⑦ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

1.6.1 Precautions

1. Carefully handle the CCD image sensor, optical LPF, lens, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD image sensor is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD image sensor in the OP block assembly.

1.6.2 How to remove OP block assembly and CCD board assembly

1. Unsolder at the two points (SD1) and remove the shield case.
2. Unsolder at the sixteen points (SD2) and remove the CCD board assembly.
3. Remove the two screws (1, 2) and then remove the CCD base assembly.

Note⑥a: *Carefully remove the CCD base assembly, because the space rubber and optical LPF may be removed together with the CCD image sensor.*

Note⑥b: *When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.*

1.6.3 How to install OP block assembly and CCD board assembly

1. Install the optical LPF with the space rubber fitted to its CCD side in the OP block assembly.
2. Paying heed to the space rubber not to get it to come off the setting position, install the CCD base assembly in place and fasten it together with the space rubber with the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and fasten it by soldering at the fourteen points (SD2).
4. Install the shield case and fasten it by soldering at the two points (SD1).

1.6.4 Replacement of service parts

Service parts to be supplied for the OP block assembly are as follows.

When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. Focus motor
2. Zoom motor
3. Iris motor unit

Note⑥c: *When soldering the FPC wire of the focus motor or zoom motor during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

Note⑥d: *The iris motor unit includes one FPC assembly and two sensors.*

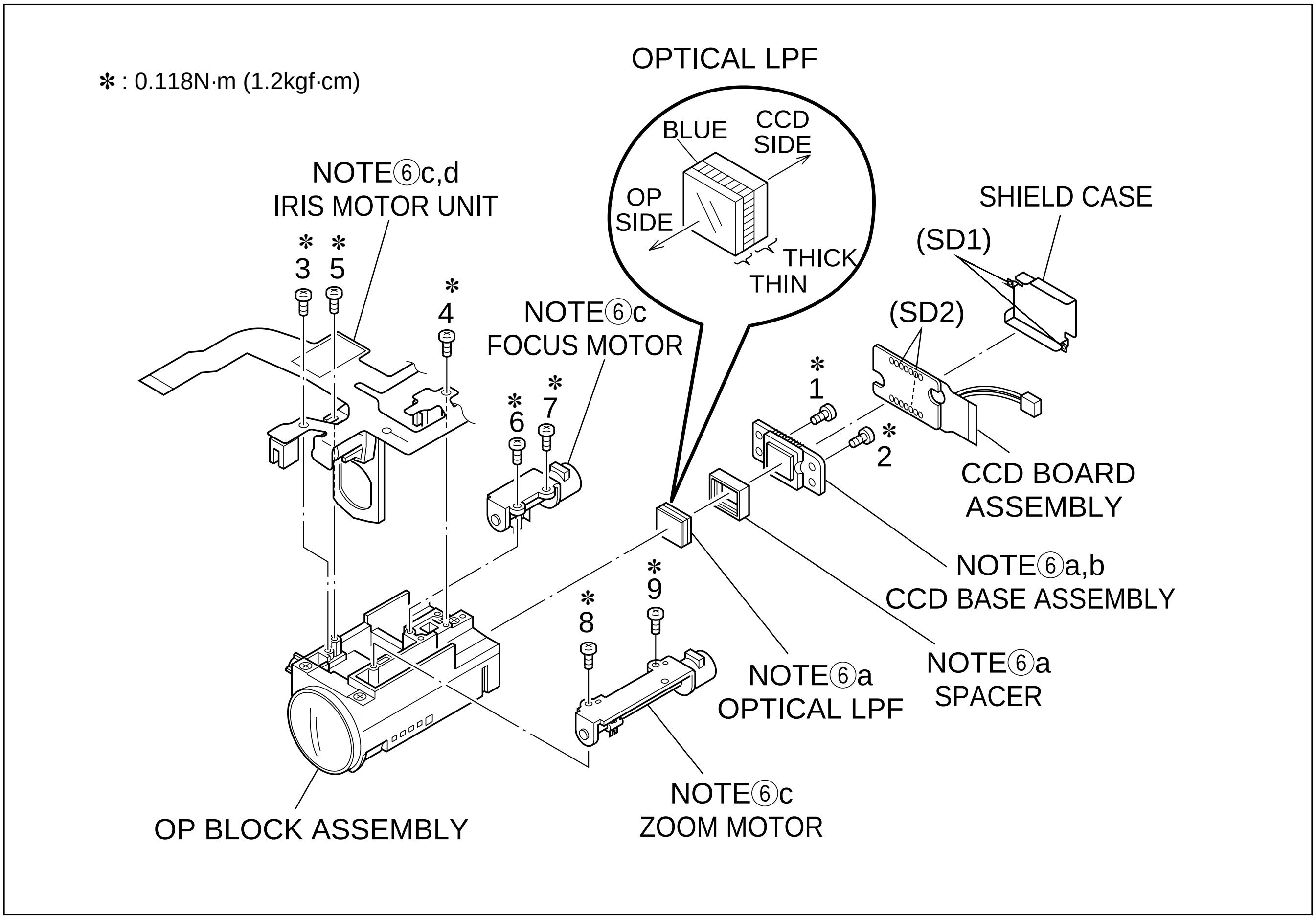

✻ : 0.118N·m (1.2kgf·cm)
OPTICAL LPF
BLUE
CCD SIDE
OP SIDE
THICK
THIN
NOTE⑥c,d
IRIS MOTOR UNIT
✻ 3
✻ 5
✻ 4
NOTE⑥c
FOCUS MOTOR
✻ 6
✻ 7
SHIELD CASE
(SD1)
(SD2)
✻ 1
✻ 2
CCD BOARD ASSEMBLY
NOTE⑥a,b
CCD BASE ASSEMBLY
✻ 8
✻ 9
NOTE⑥a
OPTICAL LPF
NOTE⑥a
SPACER
OP BLOCK ASSEMBLY
NOTE⑥c
ZOOM MOTOR

Fig. 1-6-1

1.7 HOW TO TAKE OUT CASSETTE TAPE MANUALLY

1.7.1 How to remove cassette tape manually from the set

If the cassette tape is not ejected from the cassette housing because of some electric trouble, it can be removed from the set by the temporary measure that is to turn the loading motor forcibly as mentioned below.

Through the removing work, pay heed to the exterior parts such as the covers, etc. as well as to the cassette tape to get nothing damaged.

<Procedure>

1. Disconnect the power supply (battery or DC cord) from the set.
2. Dismantle the deck ope assy, front cover assembly referring to the section 1 (page 1-4, 1-5).

Note: *When and after dismantling the front assembly, pay careful attention to the internal components such as the OP block assembly (lens), battery terminal, etc. that are exposed after the front assembly is removed.*

3. Open the cassette cover assembly completely and hold it open through the work.
4. Supply 3 V DC to the terminals (electrodes) on the top of the loading motor to slide the slide deck assembly to the front side, and stop the power supply when both the pole bases are positioned in the unloading status inside the tape. Since the tape remains as it is not wound up at that time, pay careful attention to the tape not to damage it and not to soil it with grease, etc. If unloading operation is continued after both the pole bases return to their respective positions inside the tape, the mechanism enters the eject mode and the cassette housing assembly is lifted up. If it occures, the pulled-out tape may be caught in the cassette lid and the tape may be resultingly damaged.
5. Turn the center gear assembly with a sharp-pointed thing (chip IC replacing jig, etc.) in the direction of the arrow to wind up the tape. Carefully turn the center gear assembly not to damage the tape.
   If the tape cannot be wound up by turning the center gear assembly, it is thinkable that the idler arm assembly is positioned not to engage with the reel disk assembly. If so, shift the mechanism mode so that the idler arm assembly is correctly engaged with the reel disk assembly. After fine adjusting the engagement, try to wond up the tape is the same manner once more.
   In such the event, it is recommended to shift the idler arm assembly slightly in the loading direction.
6. After confirming that the tape is completely wound up, proceed with unloading operation until the mechanism enters the eject mode. Then, take the cassette tape out of the cassette housing.
7. After removing the cassette tape, check to see if the manually wound part of the tape is not soiled with grease, etc. At the same time, check the mechanism assembly, particularly the tape transport system, whether there is something abnormal or not.

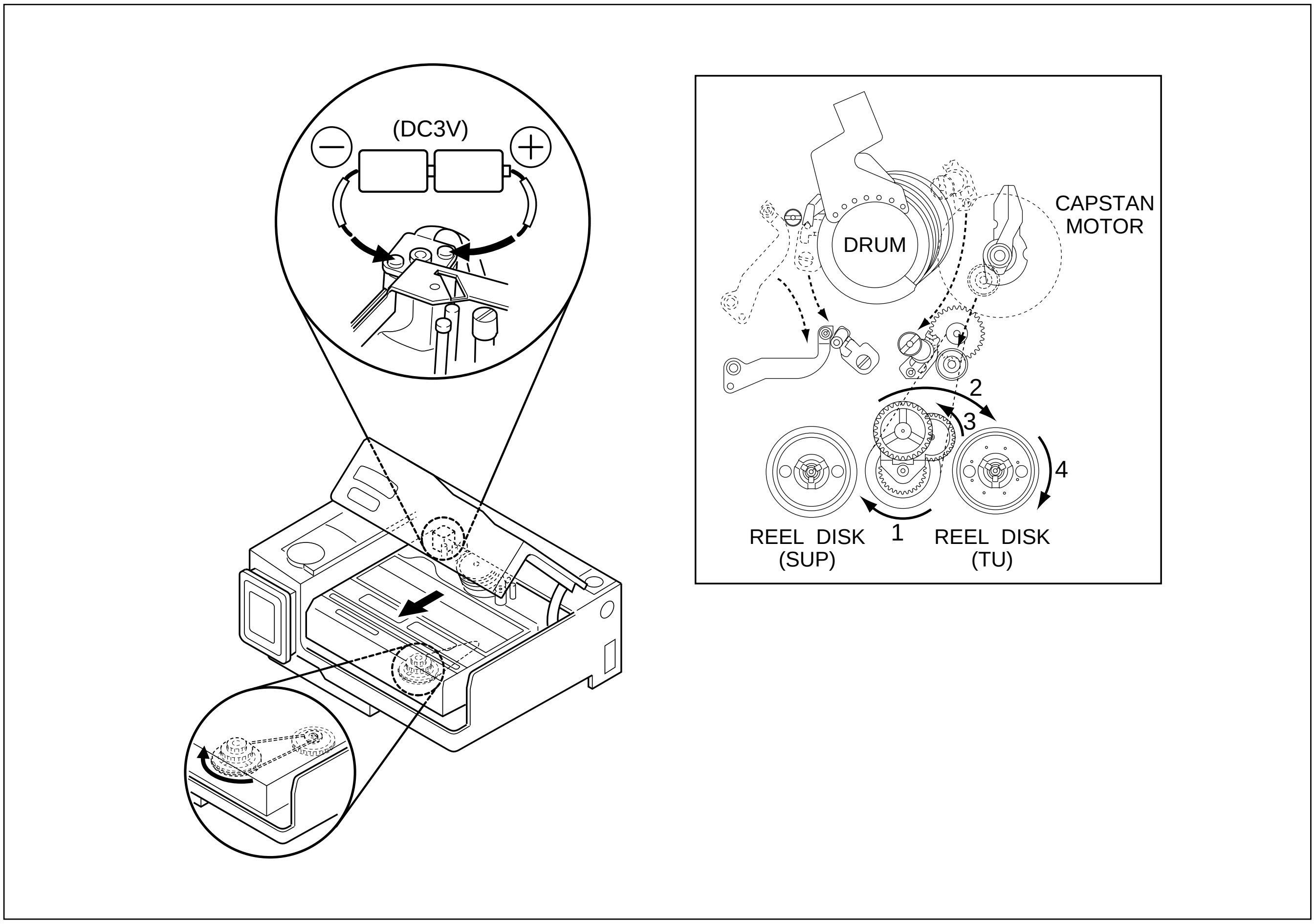


Fig. 1-7-1

1.8 SERVICE NOTE

Symbol No. →	①		②							③								④		⑤		
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Place to stick screw →			＊									＊						＊	＊			
Reference drawing →	Fig. 1-3-1									Fig. 1-3-2a								Fig. 1-3-2b		Fig. 1-3-3		
Screw tightening torque →	I		I	I	II	II	II	I	III	II	II	I	I	I	I	I	I	IV		I		

Symbol No. →	⑥						⑦	⑧	⑨	⑩			⑪			⑫	⑬	
Removing order of screw →	23	24	25	26	27	28	29	30	–	31	32	33	34	35	36	37	38	39
Place to stick screw →																		
Reference drawing →	Fig. 1-3-4						Fig. 1-3-5	Fig. 1-3-6	Fig. 1-3-7	Fig. 1-3-8			Fig. 1-3-9			Fig. 1-3-10		
Screw tightening torque →	I						II	III	–	III			III			I		

Symbol No. →	⑭		
Removing order of screw →	40	41	42
Place to stick screw →			
Reference drawing →	Fig. 1-3-10		
Screw tightening torque →	I		

	④ MONITOR ASSY					
Removing order of screw →	1	2	3	4	5	6
Place to stick screw →	＊	＊				
Reference drawing →	Fig. 1-4-1					
Screw tightening torque →	III					

	⑦ OP BLOCK ASSY								
Removing order of screw →	1	2	3	4	5	6	7	8	9
Place to stick screw →									
Reference drawing →	Fig. 1-6-1								
Screw tightening torque →	II								

	⑩ E VF ASSY						
Removing order of screw →	1	2	3	4	5	6	7
Place to stick screw →							
Reference drawing →	Fig. 1-5-1						
Screw tightening torque →	V	V	V	V	III	V	V

< NOTE >

1) ＊ : Dont't reuse the screw, because screw lock bond was applied to them.

2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm)
II : 0.118N·m (1.2kgf·cm)
III : 0.098N·m (1.0kgf·cm)
IV : 0.198N·m (2.0kgf·cm)
V : 0.069N·m (0.7kgf·cm)

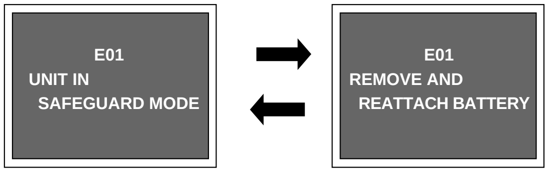
Table 1-8-1

1.9 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. 3. No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	1. The idler gear does not engage with the reel disk well. 2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. 3. No FG pulse is output from the reel sensor. 4. No power is supplied to the reel sensor. 5. Tape transport operation takes place with a cassette having no tape inside. 6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	1. The drum cannot be started or drum rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. 2) The tape is damaged or soiled with grease, etc. 2. The DRUM FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the DRUM FG pulse generator (hall element). 3. No drum control voltage is supplied to the MDA. 4. No power is supplied to the DRUM MDA.
E05	–	–	–
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	1. The CAPSTAN FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the CAPSTAN FG pulse generator (MR element). 2. No capstan control voltage is supplied to the MDA. 3. No power is supplied to the CAPSTAN MDA. 4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. (Mechanical locking) 2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-9-1

SECTION 2
MECHANISM ADJUSTMENT

2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N·m (0.4 kgf·cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

2.1.2 Notes on procedure for disassemby/assembly

The disassembling procedure table (Table 2-2-2 on page 2-5, a part of the table is shown below for reference) shows the procedure to disassemble/reassemble mechanism parts. Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers) in the following explanation correspond to those appearing under respective columns of the table.

(1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.

(2) This column shows part names corresponding to circled numbers in the left column.

(3) The symbol (T or B) appearing in this column shows the side which the objective part is mounted on.
T = the upper side, B = the lower side

(4) Symbols appearing in this column indicate drawing numbers.

(5) This column indicates parts and points such as screws, washers, springs, and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.
P = Spring
W = Washer
S = Screw
* = Lock (L), soldering (SD), shield, connector (CN), etc.

Example
- Remove (W1) = Washer W1.
- * Remove the solder at (SD1) = Point SD1.
- * Disconnect Ⓐ = Connector Ⓐ.

(6) Numbers in this column represent the numbers of notes in the text. For example, “1” means “Note 1”.
(For parts that need phase adjustment after reassembling, refer to “2.2.7 Check and adjustment of mechanism phase”.)

(7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

Step	Part Name		Fig.	Point	Note	Remarks
Ⓐ	Cassette housing assembly	T	Fig. 2-2-12	3(S1),(L1a)-(L1d)	1a, 1b, 1c, 1d	Adjustment
(2a)	Reel disk (SUP) assembly	T	Fig. 2-2-13	(W2)	2a, 2b	
(2b)	Reel disk (TU) assembly	T	Fig. 2-2-13	(W2)	2a, 2b	
(2c)	Reel cover assembly	T	Fig. 2-2-13	(S2b),2(S2a),(W2)	2c, 2d	
(3a)	Tension arm assembly	T	Fig. 2-2-14	(W3a)	3b	

↑ (1) ↑ (2) ↑ (3) ↑ (4) ↑ (5) ↑ (6) ↑ (7)

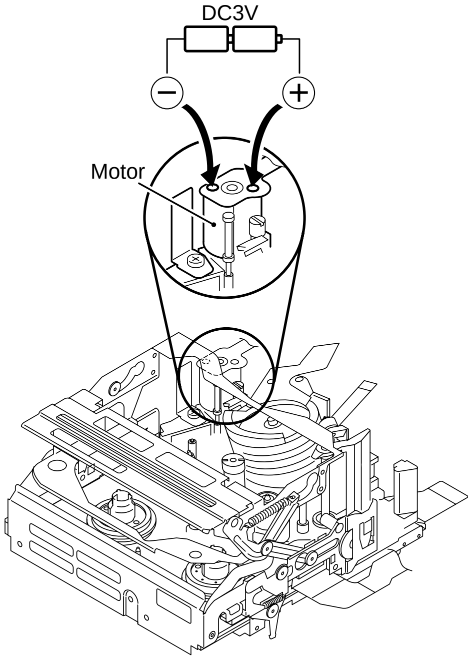
2.2 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

2.2.1 General statement

The mechanism should generally be disassembled/assembled in the EJECT mode (ASSEMBLY mode). (Refer to Fig. 2-2-1.)

However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the EJECT mode compulsory.

<Mechanism assembly/Cassette housing assembly>



<Back side of the mechanism assembly>

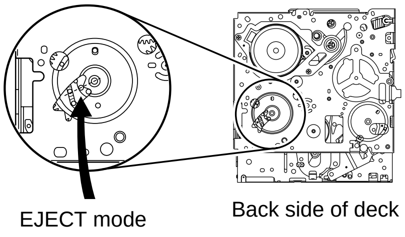


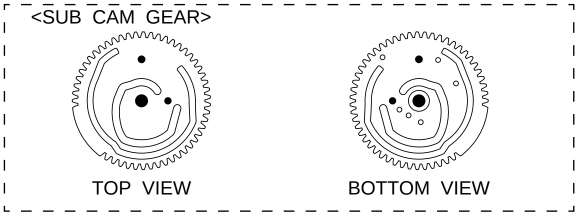
Fig. 2-2-1

2.2.2 Explanation of mechanism mode

The mechanism mode of this model is classified into six modes as shown in Table 2-2-1. Each mechanism mode can be distinguished from others by the relative position of "○" mark on the sub cam gear to the inner or outer protrusion on the main deck.

Refer to Fig. 2-2-2 to 2-2-7 below.

The EJECT mode, C IN mode and SHORT FF mode should be recognized by the relative position of the "○" mark to the inner protrusion, while the STOP mode, REV mode and PLAY mode should be recognized by that to the outer protrusion.



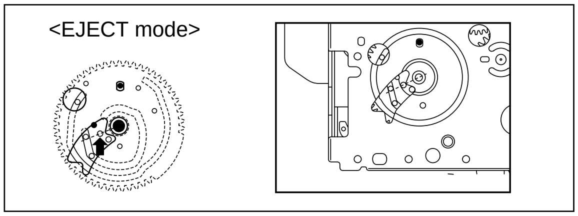


Fig. 2-2-2

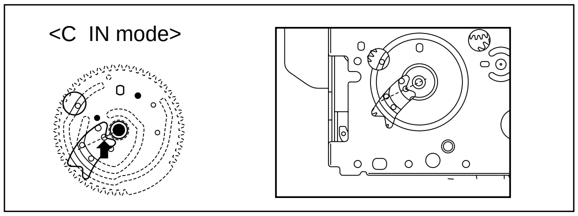


Fig. 2-2-3

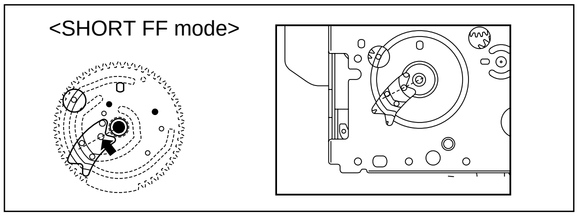


Fig. 2-2-4

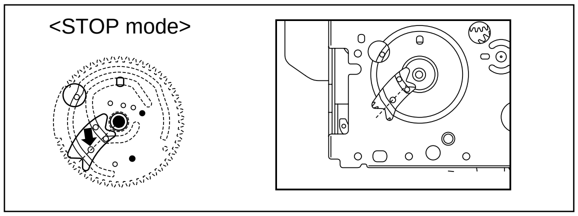


Fig. 2-2-5

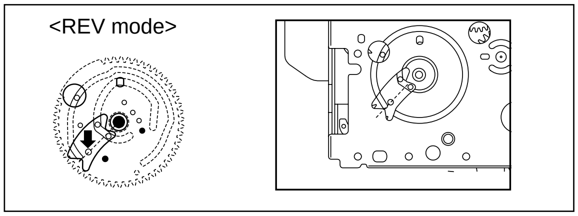


Fig. 2-2-6

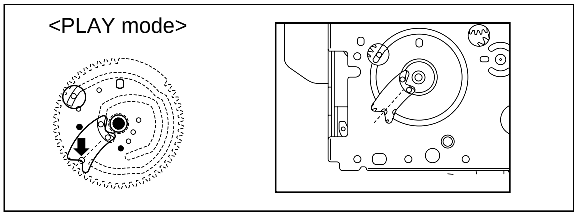


Fig. 2-2-7

2.2.3 Mechanism timing chart

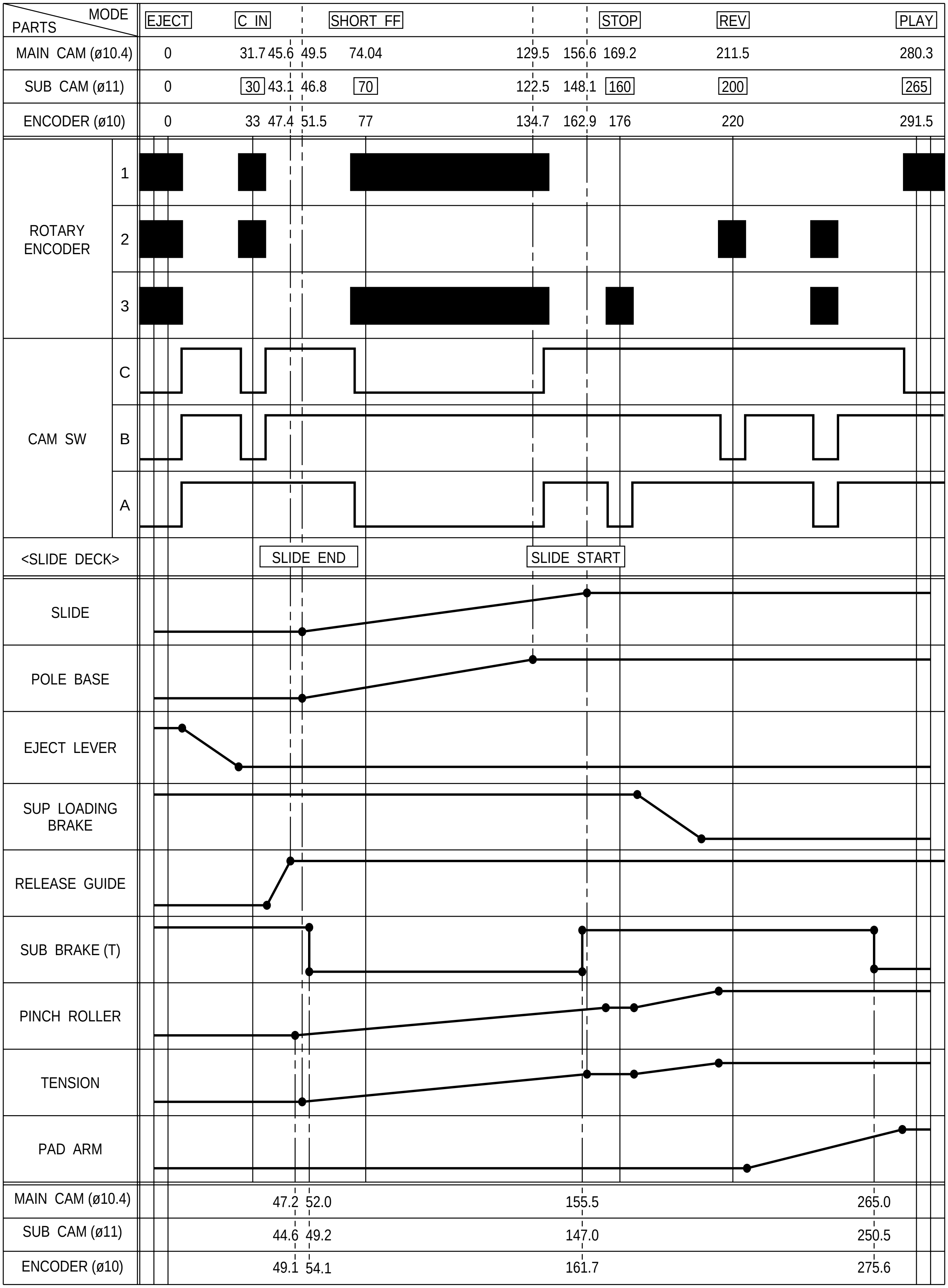

MODE
PARTS
EJECT
C IN
SHORT FF
STOP
REV
PLAY
MAIN CAM (ø10.4)
0
31.7
45.6
49.5
74.04
129.5
156.6
169.2
211.5
280.3
SUB CAM (ø11)
0
30
43.1
46.8
70
122.5
148.1
160
200
265
ENCODER (ø10)
0
33
47.4
51.5
77
134.7
162.9
176
220
291.5
ROTARY ENCODER
1
2
3
CAM SW
C
B
A
<SLIDE DECK>
SLIDE END
SLIDE START
SLIDE
POLE BASE
EJECT LEVER
SUP LOADING BRAKE
RELEASE GUIDE
SUB BRAKE (T)
PINCH ROLLER
TENSION
PAD ARM
MAIN CAM (ø10.4)
47.2
52.0
155.5
265.0
SUB CAM (ø11)
44.6
49.2
147.0
250.5
ENCODER (ø10)
49.1
54.1
161.7
275.6

Table 2-2-1

2.2.4 Disassembly/assembly of mechanism assembly

1. Configuration

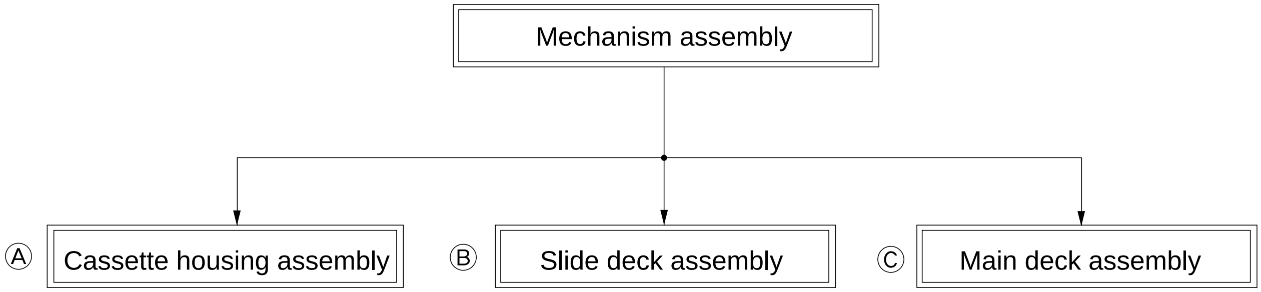

Mechanism assembly
Ⓐ Cassette housing assembly
Ⓑ Slide deck assembly
Ⓒ Main deck assembly

Fig. 2-2-8

2. Procedures for disassembly

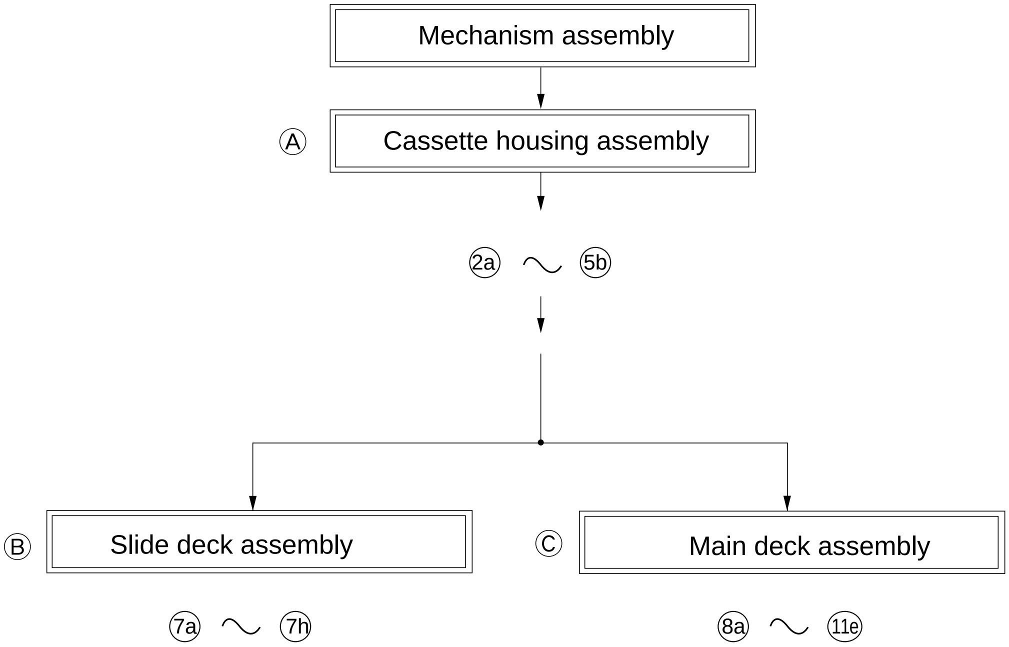

Mechanism assembly
Ⓐ Cassette housing assembly
2a ～ 5b
Ⓑ Slide deck assembly
Ⓒ Main deck assembly
7a ～ 7h
8a ～ 11e

Fig. 2-2-9

3. Disassembling procedure table

Step	Part Name		Fig.	Point	Note	Remarks
Ⓐ	Cassette housing assembly	T	Fig. 2-2-12	3(S1),(L1a)-(L1d)	1a, 1b, 1c, 1d	Adjustment
(2a)	Reel disk (SUP) assembly	T	Fig. 2-2-13	(W2)	2a, 2b	
(2b)	Reel disk (TU) assembly	T	Fig. 2-2-13	(W2)	2a, 2b	
(2c)	Reel cover assembly	T	Fig. 2-2-13	(S2b),2(S2a),(W2)	2c, 2d	
(3a)	Tension arm assembly	T	Fig. 2-2-14	(W3a)	3b	
(3b)	Release guide assembly	T	Fig. 2-2-14	-	3a	
(3c)	Idler arm assembly	T	Fig. 2-2-14	(W3b)	-	
(3d)	Guide arm assembly	T	Fig. 2-2-14	-	3a	
(3e)	Pinch roller arm assembly	T	Fig. 2-2-14	(W3a)	-	
(4a)	Cleaner arm assembly	T	Fig. 2-2-15	(L4a)	4a	
(4b)	Slant pole arm assembly	T	Fig. 2-2-15	(W4),(L4b),(P4a),(P4b)	4b	
(4c)	Drum assembly	T	Fig. 2-2-15	3(S4)	-	Adjustment
(5a)	Guide roller (S) assembly	T	Fig. 2-2-16	(P5)	5a, 5b	Adjustment
(5b)	Rail assembly	T	Fig. 2-2-16	3(W5a), (W5b)	5c, 5d	
Ⓑ	Slide deck assembly / Ⓒ Main deck assembly	T	Fig. 2-2-17	(W6),(L6a)-(L6d)	6a, 6b	(Adjustment)
Ⓑ	Slide deck assembly					
(7a)	Loading brake assembly	T	Fig. 2-2-18	(W7),(L7a),(P7a)	7e	Adjustment
(7b)	Guide pin (SUPPLY)	T	Fig. 2-2-18	(S7a)	-	
(7c)	Pad arm assembly	T	Fig. 2-2-18	(W7),(L7b),(P7b)	7d	
(7d)	Slide guide plate assembly	T	Fig. 2-2-18	(S7b)	7c	Adjustment
(7e)	Collar	T	Fig. 2-2-18	-	7a	
(7f)	Collar	T	Fig. 2-2-18	-	7a	
(7g)	Sub brake assembly	T	Fig. 2-2-18	(W7),(L7c),(P7c)	7b	
(7h)	Control plate assembly	T	Fig. 2-2-18	2(W7),(L7d),(P7d)	7b	
Ⓒ	Main deck assembly					
(8a)	Tension lever assembly	T	Fig. 2-2-19	-	8c	
(8b)	Slide lever assembly	T	Fig. 2-2-19	-	8b	
(8c)	Brake control lever assembly	T	Fig. 2-2-19	-	8a	
(9a)	Loading guide	T	Fig. 2-2-20	(S9)	-	
(9b)	Timing belt	T	Fig. 2-2-20	-	9b	
(9c)	Center gear assembly	T	Fig. 2-2-20	-	-	
(9d)	Motor bracket assembly	T	Fig. 2-2-20	2(S9)	9a	
(9e)	Worm wheel	T	Fig. 2-2-20	(W9)	-	(Phase adjustment)
(9f)	Gear holder	T	Fig. 2-2-20	(S9)	-	
(10a)	Main cam gear	T	Fig. 2-2-21	(S10)	10b	Phase adjustment
(10b)	Brake control plate	T	Fig. 2-2-21	(L10)	10b	Phase adjustment
(10c)	Rotary encoder	T	Fig. 2-2-21	(S10),(W10a)	10a	Phase adjustment
(10d)	Connect gear	T	Fig. 2-2-21	(W10a)	-	(Phase adjustment)
(10e)	Reel drive pulley assembly	T	Fig. 2-2-21	(W10b)	-	
(11a)	Catcher (T) assembly	T	Fig. 2-2-22	2(S11)	-	
(11b)	Capstan motor	T	Fig. 2-2-22	2(S11)	-	
(11c)	Charge arm assembly	T	Fig. 2-2-22	(W11)	11	
(11d)	Sub cam gear	T	Fig. 2-2-22	(S11)	-	Phase adjustment
(11e)	PWB holder	B	Fig. 2-2-22	2(S11)	-	

Table 2-2-2

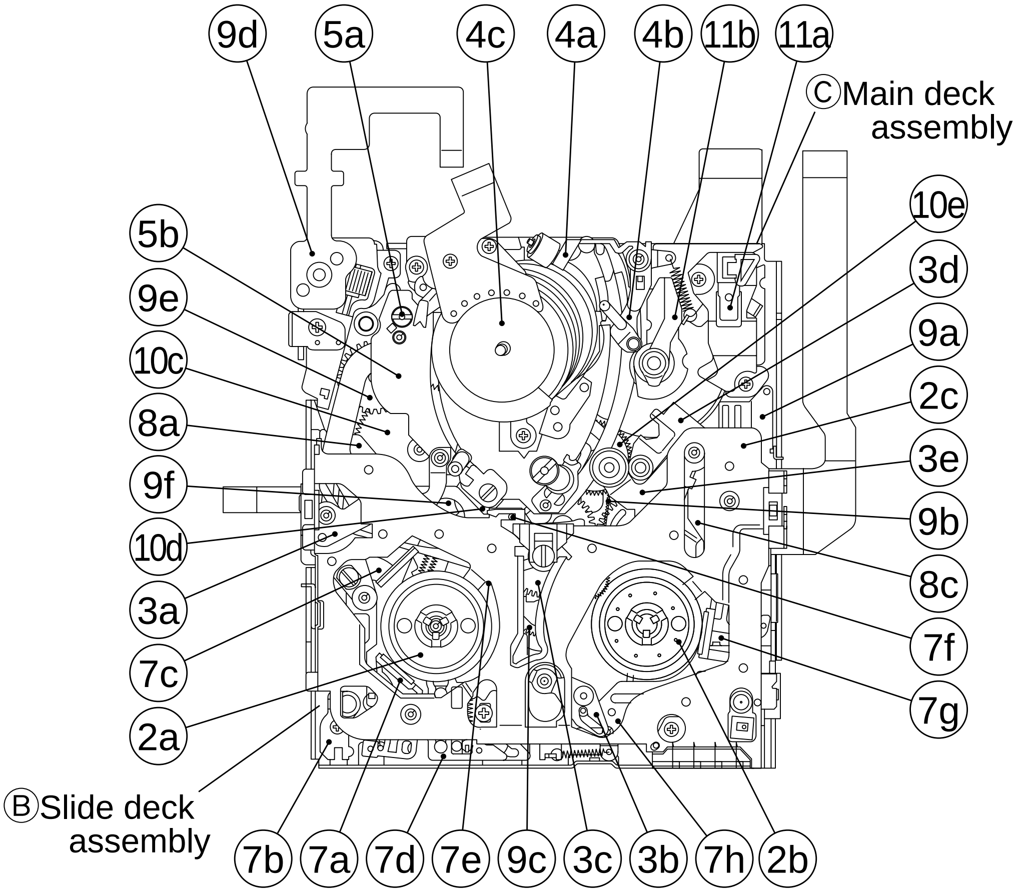

9d
5a
4c
4a
4b
11b
11a
Ⓒ Main deck assembly
5b
9e
10c
8a
9f
10d
3a
7c
2a
Ⓑ Slide deck assembly
10e
3d
9a
2c
3e
9b
8c
7f
7g
7b
7a
7d
7e
9c
3c
3b
7h
2b

Fig. 2-2-10 Top view

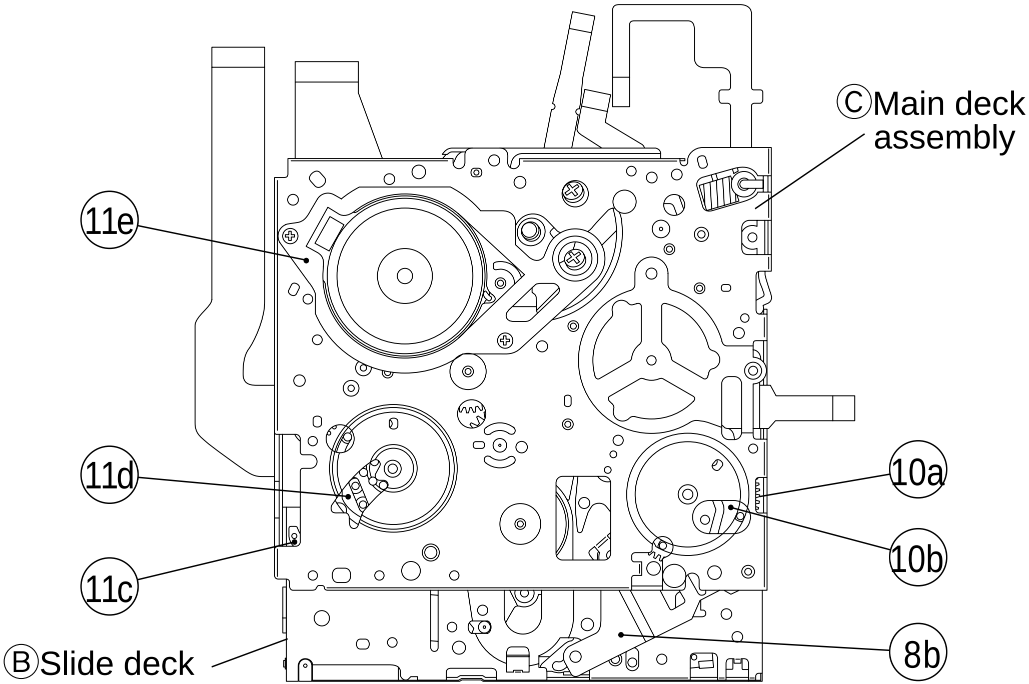

Ⓒ Main deck assembly
11e
11d
11c
Ⓑ Slide deck assembly
10a
10b
8b

Fig. 2-2-11 Bottom view

2.2.5 Disassembly/assembly

1. Ⓐ Cassette housing assembly

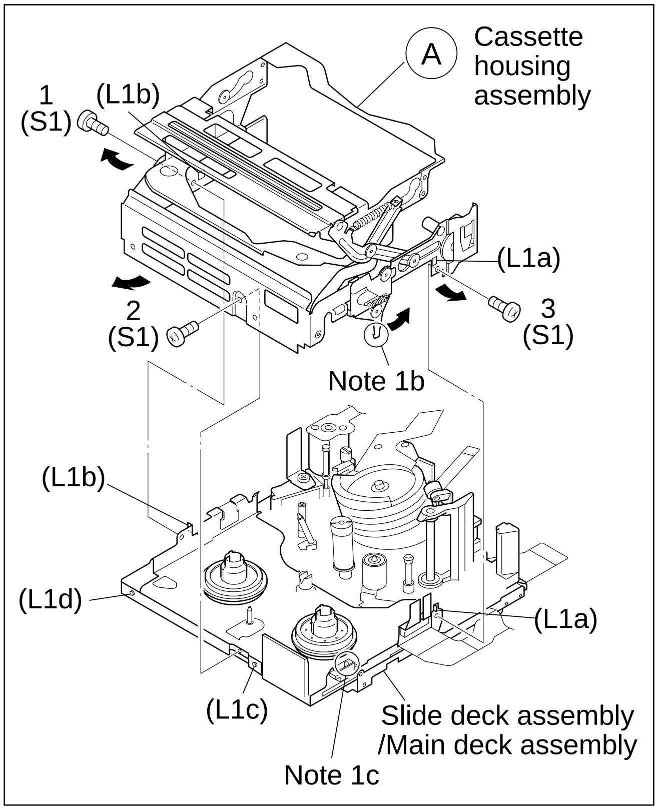
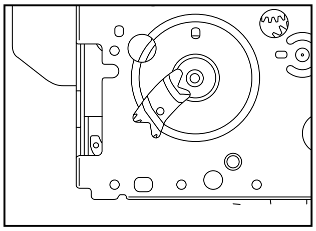
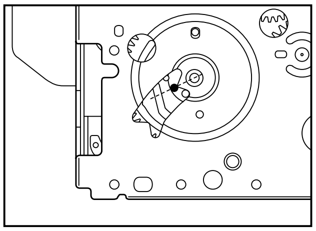

A
Cassette housing assembly
1
(S1)
(L1b)
(L1a)
2
(S1)
3
(S1)
Note 1b
(L1b)
(L1d)
(L1a)
(L1c)
Slide deck assembly
/Main deck assembly
Note 1c

Fig. 2-2-12

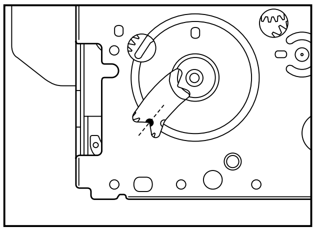
<STOP mode>



<EJECT mode>



<PLAY mode>



Note 1a:
Shift the mechanism mode from the STOP mode to the EJECT mode.

Note 1b:
Reassemble the cassette housing assembly to the mechanism as the cancel lever is moved in the direction of the arrow.

Note 1c:
When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.

Note 1d:
After reassembling the component parts, check the mechanism operation in the PLAY mode.
For details of checking method, refer to "2.2.8 assembling slide deck assembly and main deck assembly".

2. ⓶ⓐ Reel disk (SUP) assembly
2b Reel disk (TU) assembly
2c Reel cover assembly

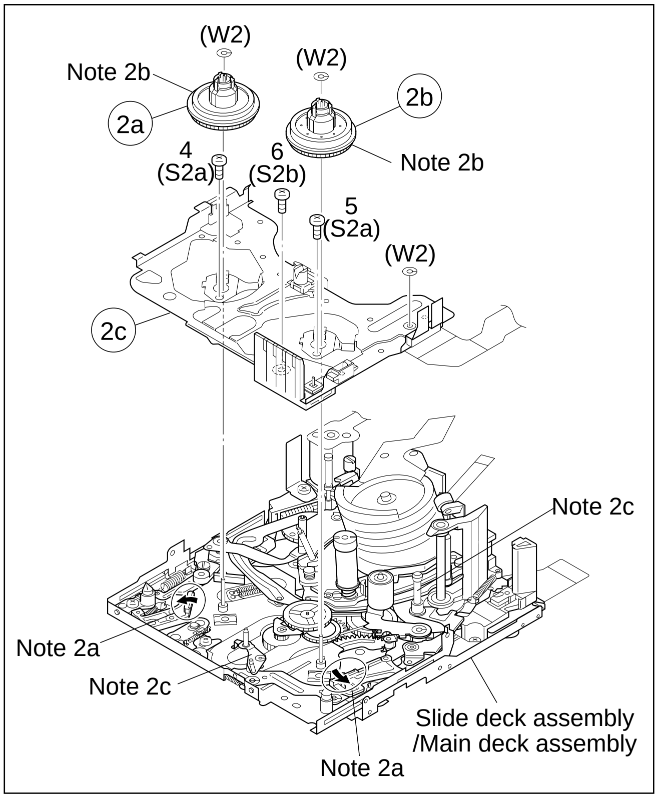
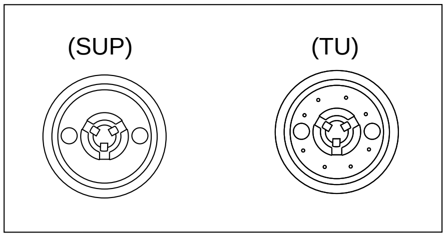

(W2)
(W2)
Note 2b
2a
2b
4
(S2a)
6
(S2b)
Note 2b
5
(S2a)
(W2)
2c
Note 2c
Note 2a
Note 2c
Slide deck assembly
/Main deck assembly
Note 2a

Fig. 2-2-13

Note 2a:
When removing the reel disk assembly, be careful not to break the brake pad which applies lateral pressure to the reel disk.

Note 2b:
Be careful not to make a mistake in installing the reel disk.
The SUP reel disk and TU reel disk can be distinguished from each other by the appearance as shown below.



Note 2c:
When removing the reel cover assembly, pay heed to the guide arm assembly. For, the guide arm assembly is just inserted into the slide deck assembly from the upside and it is apt to come off after the reel cover assembly is removed.

Note 2d:
When fitting the reel cover assembly to the set, carefully tighten the screw with the specified tightening torque of 0.069N·m (0.7kgf·cm).

3.(3a)Tension arm assembly/(3b)Release guide assembly
(3c)Idler arm assembly/(3d)Guide arm assembly
(3e) Pinch roller arm assembly

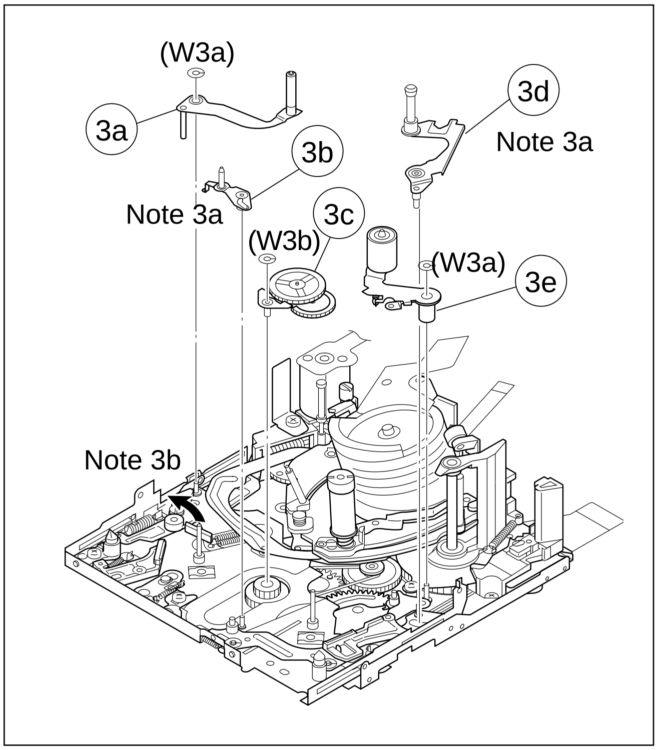
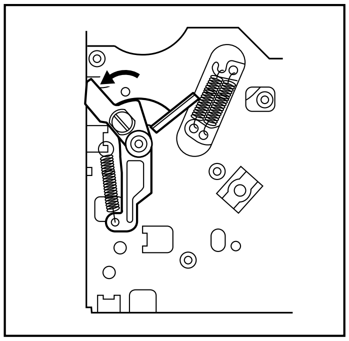

(W3a)
3a
3d
Note 3a
3b
Note 3a
3c
(W3b)
(W3a)
3e
Note 3b

Fig. 2-2-14

Note 3a:
When removing the reel cover assembly, pay heed to release guide assembly and guide arm assembly. For, the guide arm assembly is just inserted into the slide deck assembly from the upside and it is apt to come off after the reel cover assembly is removed.

Note 3b:
Reassemble the tension arm assembly to the mechanism as the pad arm assembly is moved to the extent in the direction of the arrow.



4.(4a)Cleaner arm assembly/(4b) Slant pole arm assembly
(4c)Drum assembly

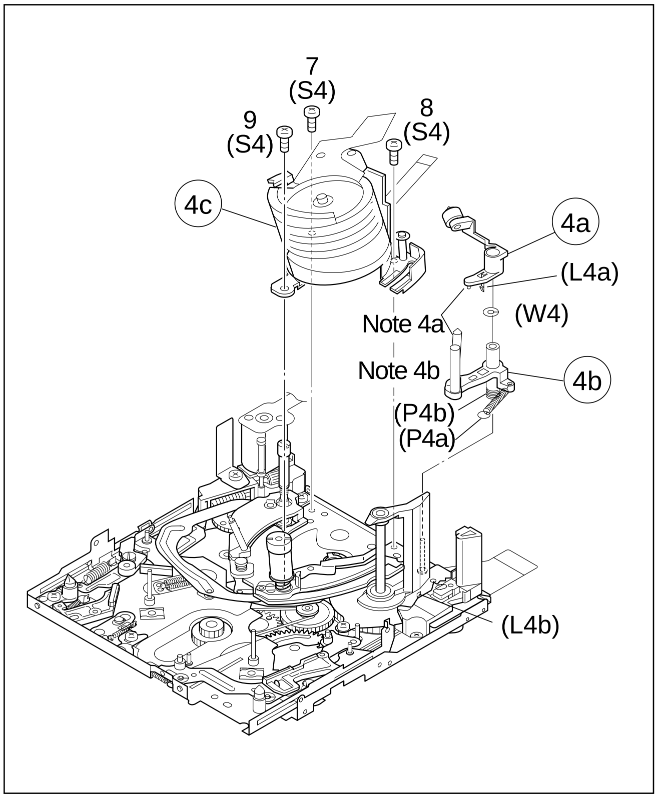
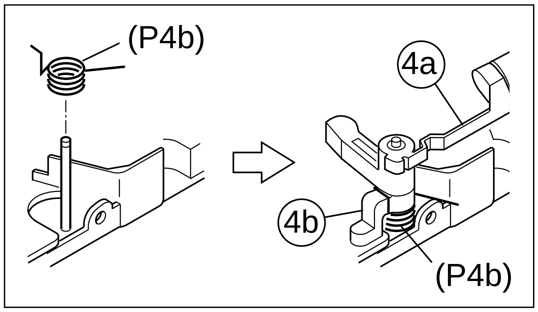

7
(S4)
9
(S4)
8
(S4)
4c
4a
(L4a)
Note 4a
(W4)
Note 4b
4b
(P4b)
(P4a)
(L4b)

Fig. 2-2-15

Note 4a:
When removing the cleaner arm assembly, it is recommended to remove the slant pole arm assembly together with it except the case of a single unit replacement, because the hook (L4a) is hard to disengage.

Note 4b:
How to set the coil spring (P4b).


(P4b)
4a
4b
(P4b)

5. (5a) Guide roller (SUPPLY) assembly/(5b) Rail assembly

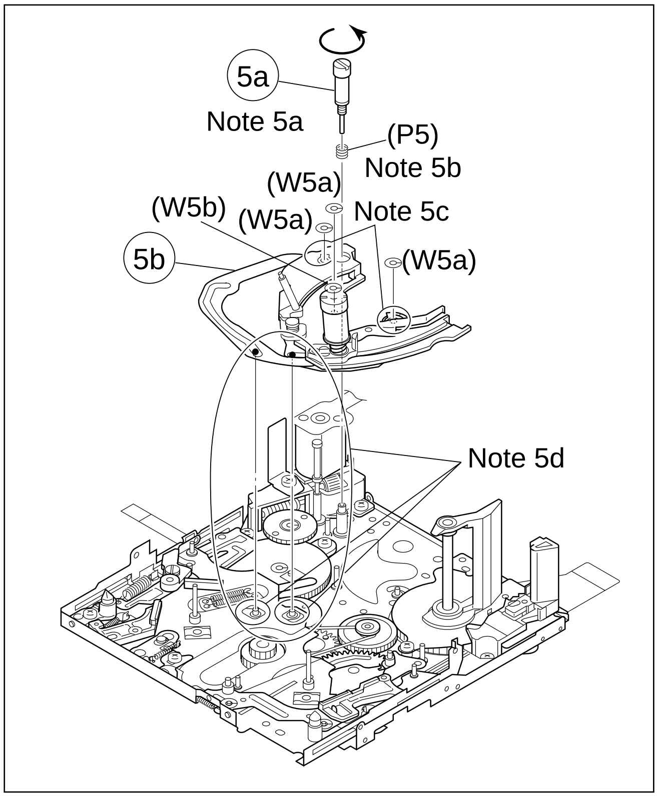
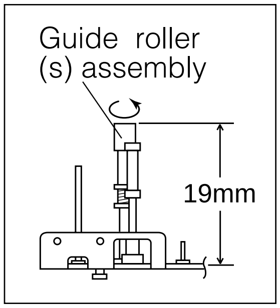

5a
Note 5a
(P5)
Note 5b
(W5a)
(W5b)
(W5a)
Note 5c
5b
(W5a)
Note 5d

Fig. 2-2-16

Note 5a:
When reassembling, insert the tip of the guide roller with the coil spring put on it into the hole on the main deck. Tighten the guide roller by about 6 turns so that the height of the guide roller assembly is 19 mm or so as shown in the figure.


Guide roller
(s) assembly
19mm

Note 5b:
Pay careful attention to the spring not to lose it.

Note 5c:
Pay careful attention to the engagement of the rail assembly's arm ends because they easily come off the engagement. Moreover, make sure that there is neither deformation nor damage observed in them.

Note 5d:
When removing the rail assembly, check to see if the collar is securely set in the arm groove.

6. Ⓑ Slide deck assembly/ Ⓒ Main deck assembly

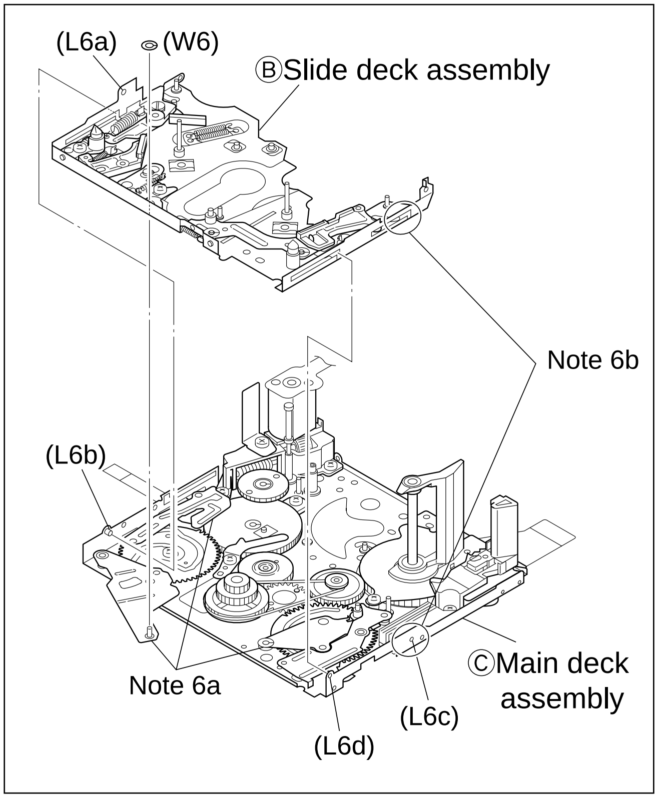
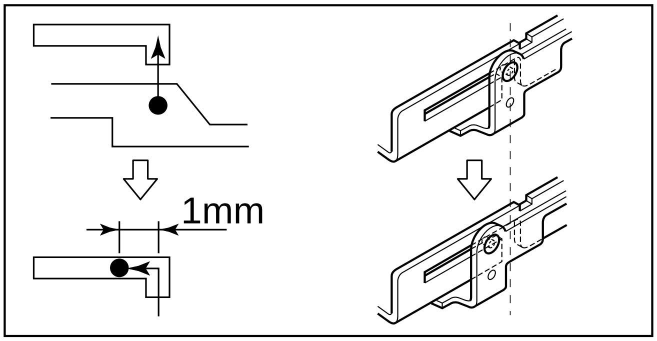

(L6a)
(W6)
ⒷSlide deck assembly
Note 6b
(L6b)
Note 6a
ⒸMain deck
assembly
(L6c)
(L6d)

Fig. 2-2-17

Note 6a:
When removing the slide deck assembly, pay heed to the three components of the following because they are apt to come off after the slide deck assembly is removed.

(8a) Tension lever assembly/(8b) Slide lever assembly
(8c) Brake control lever assembly
For reassembling those components, refer to Fig. 2-2-19 on page 2-10.

Note 6b:
When reassembling the slide deck assembly to the main deck assembly, combine them with each other by the side grooves and then slide the slide deck assembly by 1 mm or so.



7. (7a) Loading brake assembly/ (7b) Guide pin (S) (7c) Pad arm assembly/ (7d) Slide guide plate assembly (7e) Collar/ (7f) Collar/ (7g) Sub brake assembly (7h) Control plate assembly

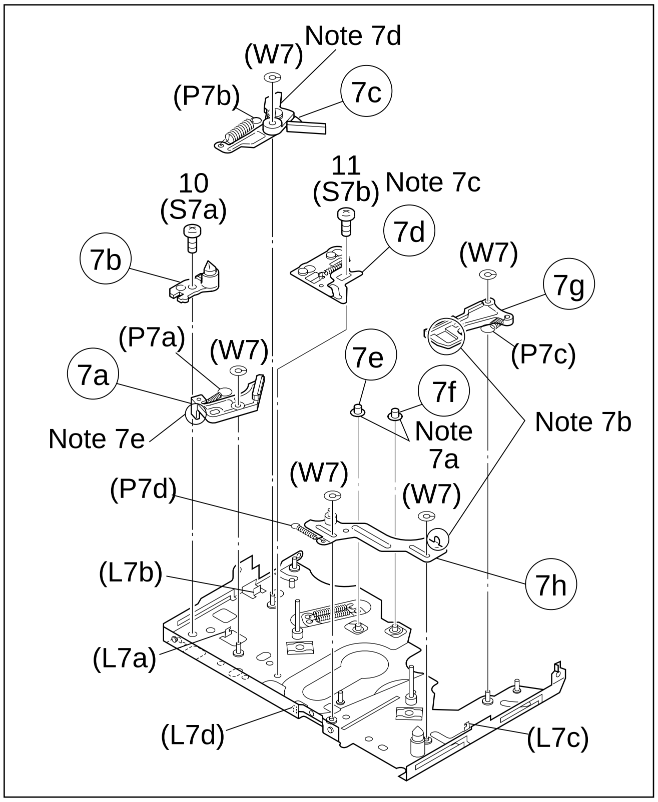


Fig. 2-2-18

8. (8a) Tension lever assembly/ (8b) Slide lever assembly (8c) Brake control lever assembly

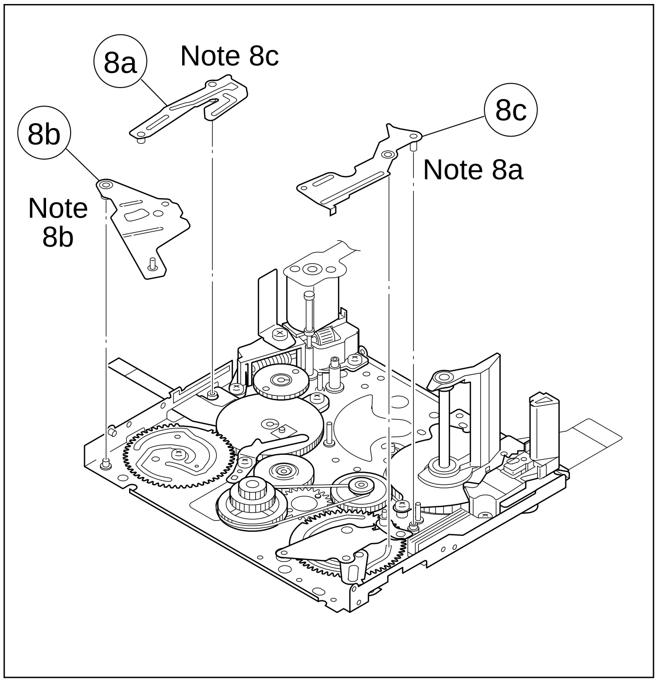
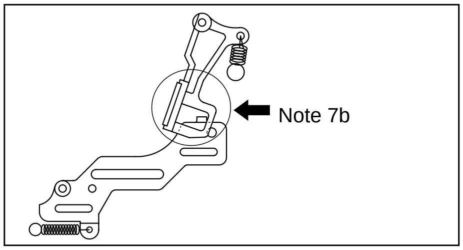


Fig. 2-2-19

Note 7a:
Don't remove these parts unreasonably. If they are removed for some reason, be very careful not to lose them.

Note 7b:
When reinstalling the sub brake assembly, set the control plate assembly so that its hook is set in the ⊡ part of the sub brake assembly.



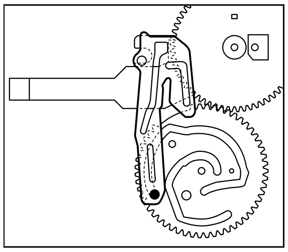
Note 7c:
Since the slide guide plate assembly controls the slide deck assembly so that it exactly slides the main deck assembly, it must exactly be assembled in the PLAY mode. Therefore, temporarily fix the slide guide plate assembly in this stage.
For details of reassembling procedure, refer to "2.2.8 Assembling slide deck assembly and main deck assembly" on page 2-15.

Note 7d:
The pad arm assembly controls the tension level of the tension arm assembly. For adjustment of the tension arm assembly, refer to page 2-8.

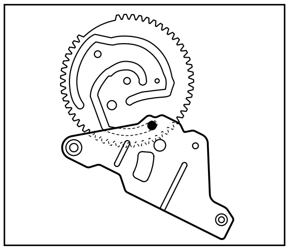
Note 7e:
When reinstalling the load brake assembly, slightly lift the slide deck assembly upwards because the lower part of the load brake assembly sticks out of the slide deck assembly.

Note 8a, 8b, 8c:
For refitting the respective parts, refer to the following figures

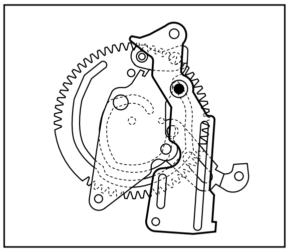
(8a) Tension lever assembly



(8b) Slide lever assembly



(8c) Brake control lever assembly



9.(9a) Loading guide/(9b) Timing belt (9c) Center gear assembly/(9d) Motor bracket assembly (9e) Worm wheel/(9f) Gear holder

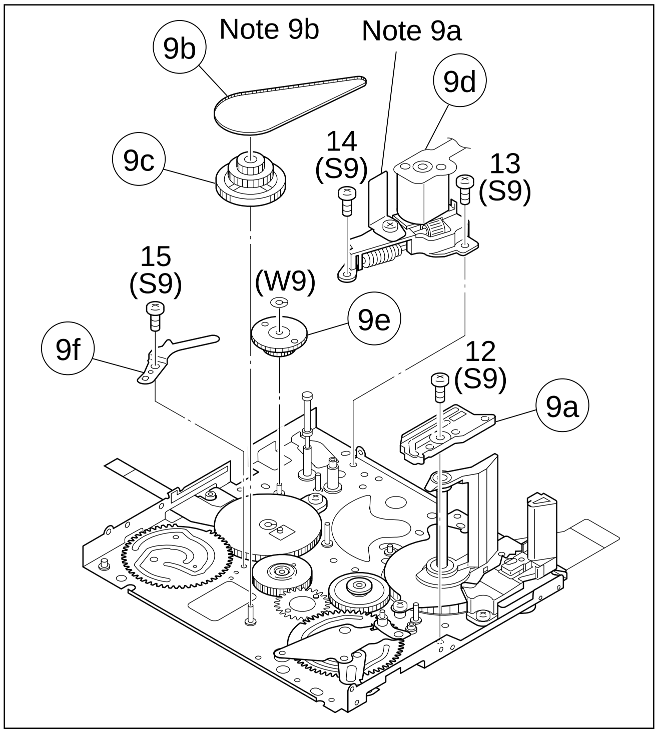

9b
Note 9b
Note 9a
9d
9c
14
(S9)
13
(S9)
15
(S9)
(W9)
9e
9f
12
(S9)
9a

Fig. 2-2-20

Note 9a:
Carefully handle the DEW sensor. (Don’t touch the sensor surface in particular.)

Note 9b:
When engaging the timing belt, make sure that it securely engages with the gears of both the center gear assembly and reel drive pulley assembly.

10.(10a) Main cam gear/(10b) Brake control plate (10c) Rotary encoder/(10d) Connect gear (10e) Reel drive pulley assembly

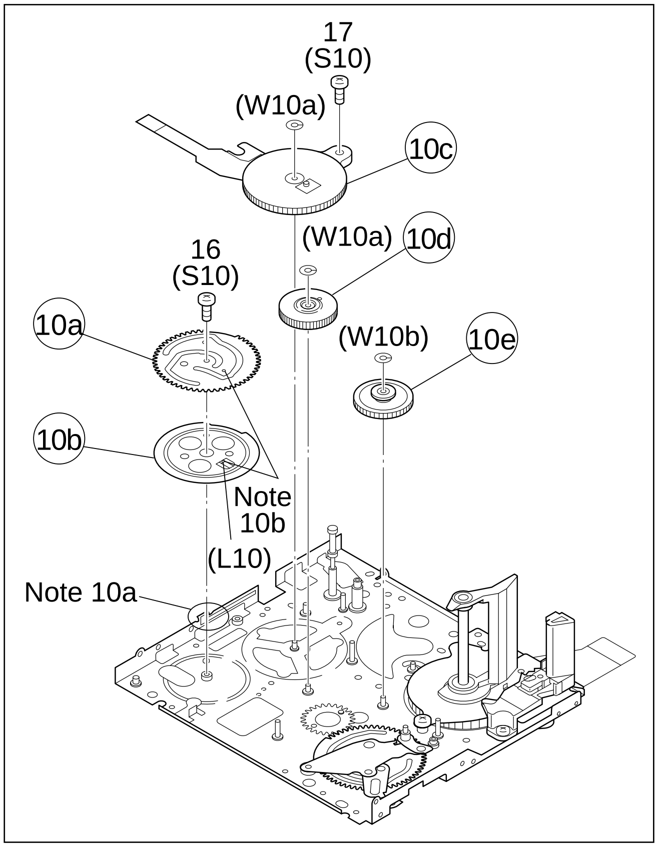
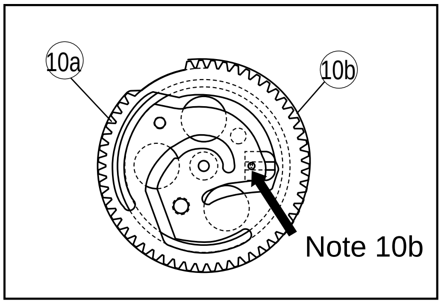

17
(S10)
(W10a)
10c
(W10a)
10d
16
(S10)
10a
(W10b)
10e
10b
Note
10b
(L10)
Note 10a

Fig. 2-2-21

Note 10a:
When removing/refitting parts, pay careful attention to the flexible board and so on not to damage them.

Note 10b:
When reinstalling the main cam gear and the brake control plate, first fit them together so that the protrusion on the brake control plate is set in the slot on the main cam gear as shown below, next install the two together to the main deck assembly.


10a
10b
Note 10b

11. (11a) Catcher (T) assembly/ (11b) Capstan motor (11c) Charge arm assembly/ (11d) Sub cam gear (11e) PWB holder

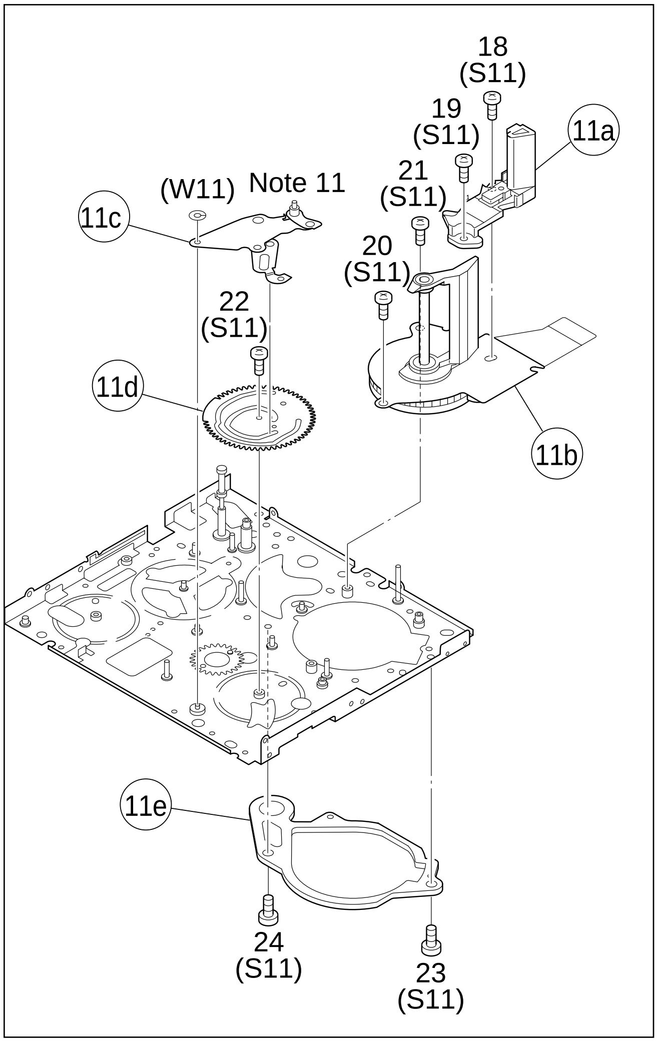
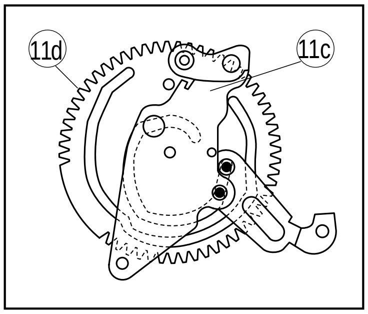

18
(S11)
19
(S11)
11a
21
(S11)
(W11)
Note 11
11c
20
(S11)
22
(S11)
11d
11b
11e
24
(S11)
23
(S11)

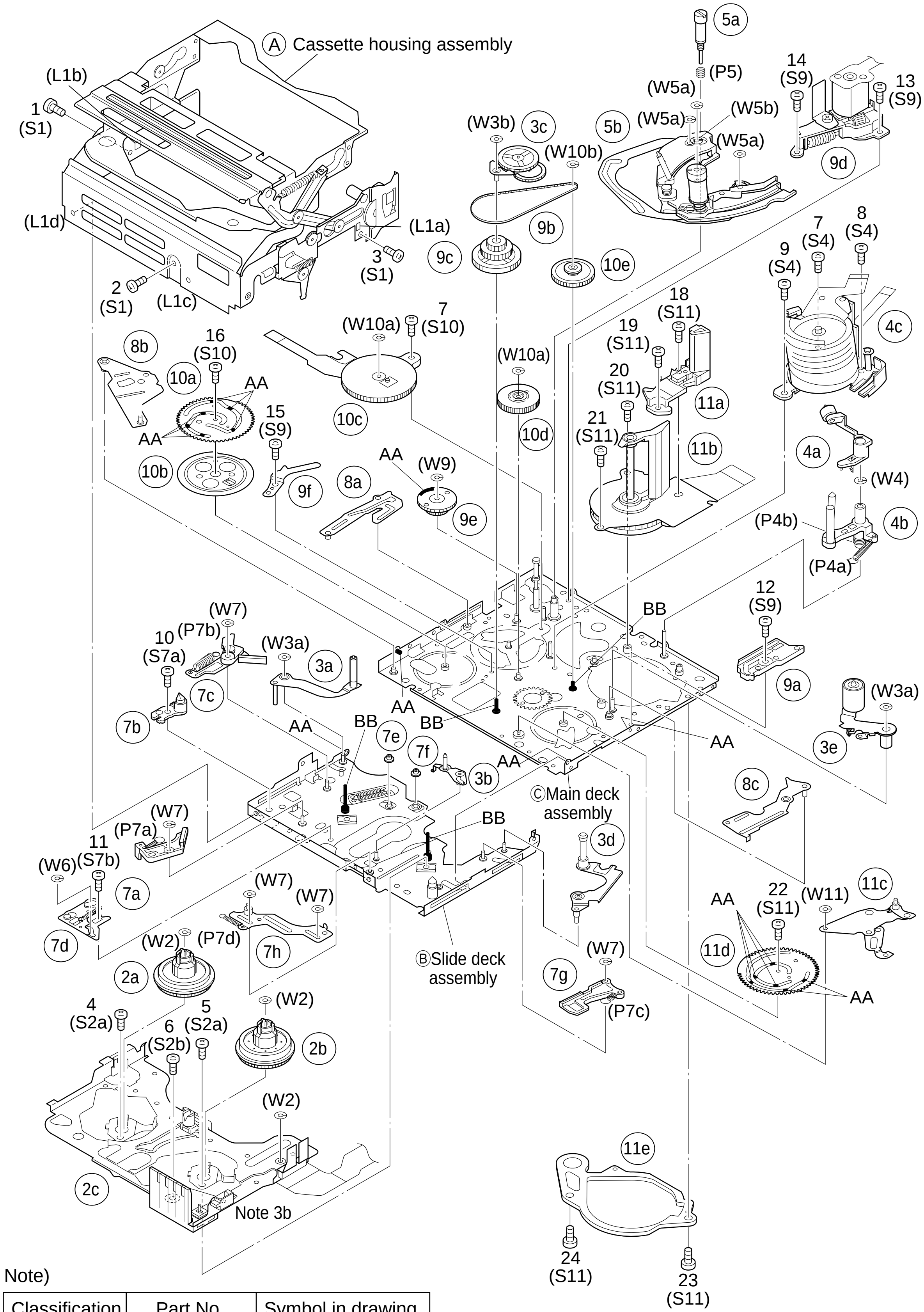
Fig. 2-2-22

Note 11:

The following figure shows how to put the charge arm assembly and sub cam gear assembly together.



2.2.6 List of procedures for disassembly



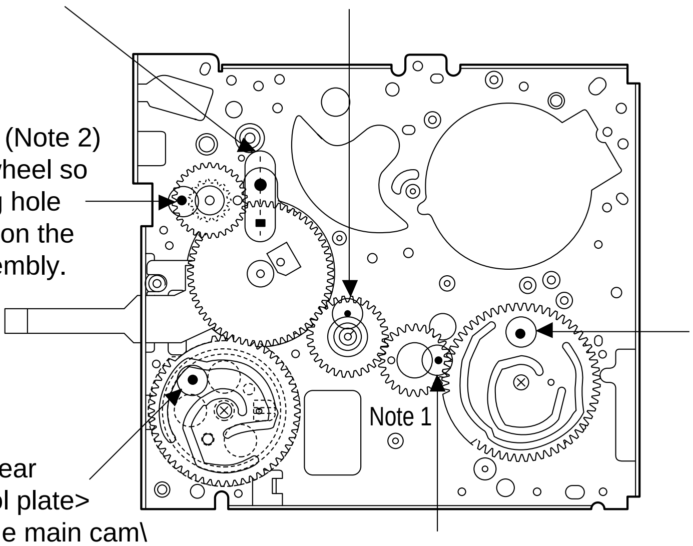
Ⓐ Cassette housing assembly
(L1b)
1
(S1)
(L1d)
(L1a)
3
(S1)
2
(S1)
(L1c)
5a
(P5)
(W5a)
(W5b)
5b
(W5a)
(W5a)
14
(S9)
13
(S9)
9d
(W3b)
3c
(W10b)
9b
9c
10e
7
(S4)
8
(S4)
9
(S4)
4c
(W10a)
7
(S10)
8b
16
(S10)
10a
AA
AA
15
(S9)
10b
10c
(W10a)
10d
18
(S11)
19
(S11)
20
(S11)
11a
21
(S11)
11b
4a
(W4)
AA
(W9)
8a
9f
9e
(P4b)
4b
(P4a)
12
(S9)
BB
9a
(W7)
(P7b)
10
(S7a)
(W3a)
3a
7c
7b
AA
BB
AA
BB
7e
7f
AA
3b
(W3a)
3e
AA
8c
ⒸMain deck
assembly
BB
3d
(W7)
(P7a)
11
(S7b)
(W6)
7a
7d
(W7)
(W7)
7h
(W2)
(P7d)
2a
ⒷSlide deck
assembly
(W7)
7g
(P7c)
AA
22
(S11)
(W11)
11c
11d
AA
4
(S2a)
5
(S2a)
6
(S2b)
(W2)
2b
(W2)
2c
Note 3b
11e
24
(S11)
23
(S11)

Note)

Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

Fig. 2-2-23

2.2.7 Checkup and adjustment of mechanism phase



<Rotary encoder>
Set the “■” of the rotary part at the tapped hole as shown in the figure.

<Connect gear> (Note 2)
Set the connect gear so that its locating hole meets the hole on the main deck assembly.

<Worm wheel> (Note 2)
Set the worm wheel so that its locating hole meets the hole on the main deck assembly.

<Sub cam gear>
Set the sub cam gear so that its locating hole meets the hole on the main deck assembly.
This state represents that the mechanism is in the EJECT mode, which is the “mechanism assembly mode”.

<Main cam gear
/Brake control plate>
After fitting the main cam\ gear and brake control plat together,set them together so that their locating holes meet the hole on the main \ deck assembly.

<Connect gear 2> (Note 2)
Set the connect gear 2 so that its locating hole meets the hole on the main deck assembly.

Note 1:
Since the connect gear 2 is tightly fixed to the main deck by caulking, adjust its phase with the connect gear and sub cam gear.

Note 2:
The part that needs phase adjustment by the hole on the main deck assembly must exactly be set as the specified phase. There is a fear that some part is installed in a wrong phase because assembling of the mechanism is automated. If so, set every part in the correct phase whenever the mechanism is reassembled.

Fig. 2-2-24

2.2.8 Assembling slide deck assembly and main deck assembly

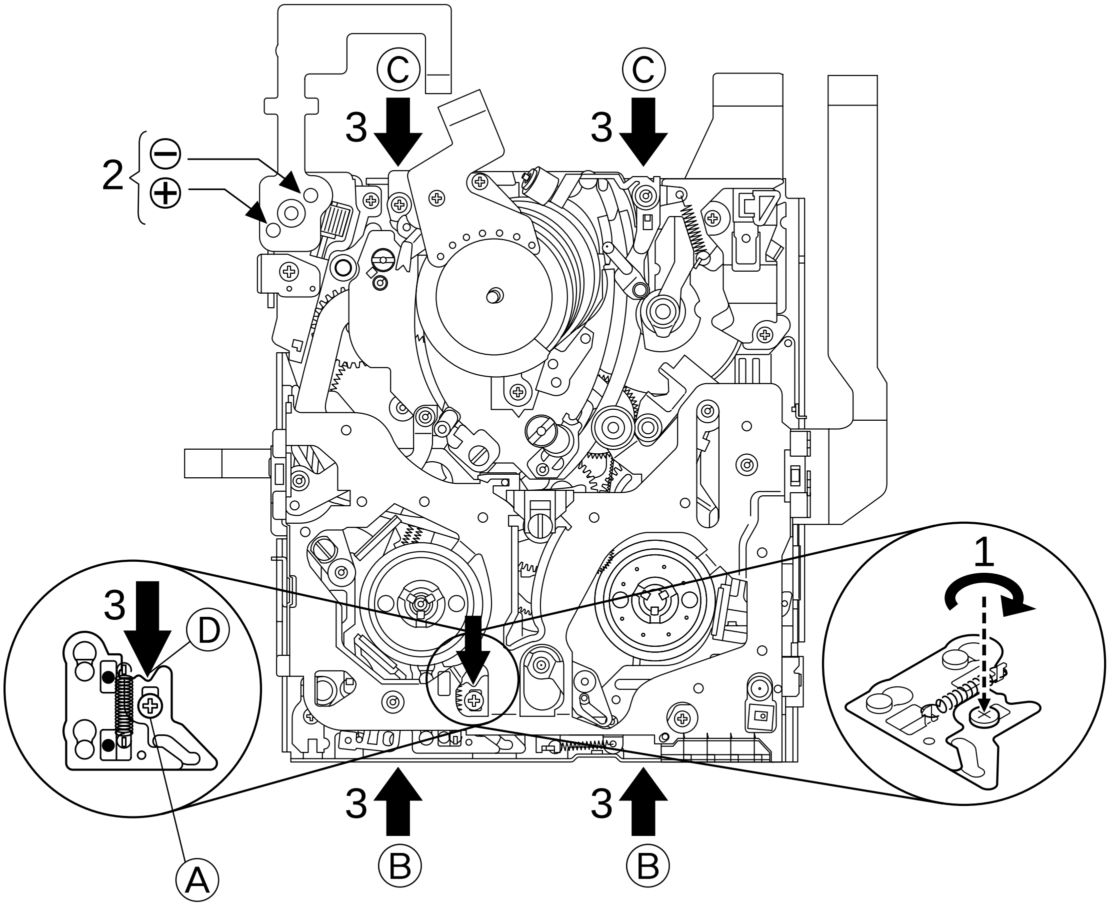


Fig. 2-2-25

Assembling procedure

1. Loosen the screw Ⓐ.
2. Set the mechanism in the PLAY mode. (Refer to page 2-2.)
3. Press the end face B of the slide deck assembly (reel disk side) and the end face Ⓒ of the main deck assembly (drum assembly side) with uniform force so that the two assemblies are tightly pressed to each other. Furthermore, press the part Ⓓ and tighten the screw Ⓐ.

Note : *Tightening torque for screw Ⓐ: 0.069 N·m (0.7 kgf·cm)*

2.2.9 Locating tension pole

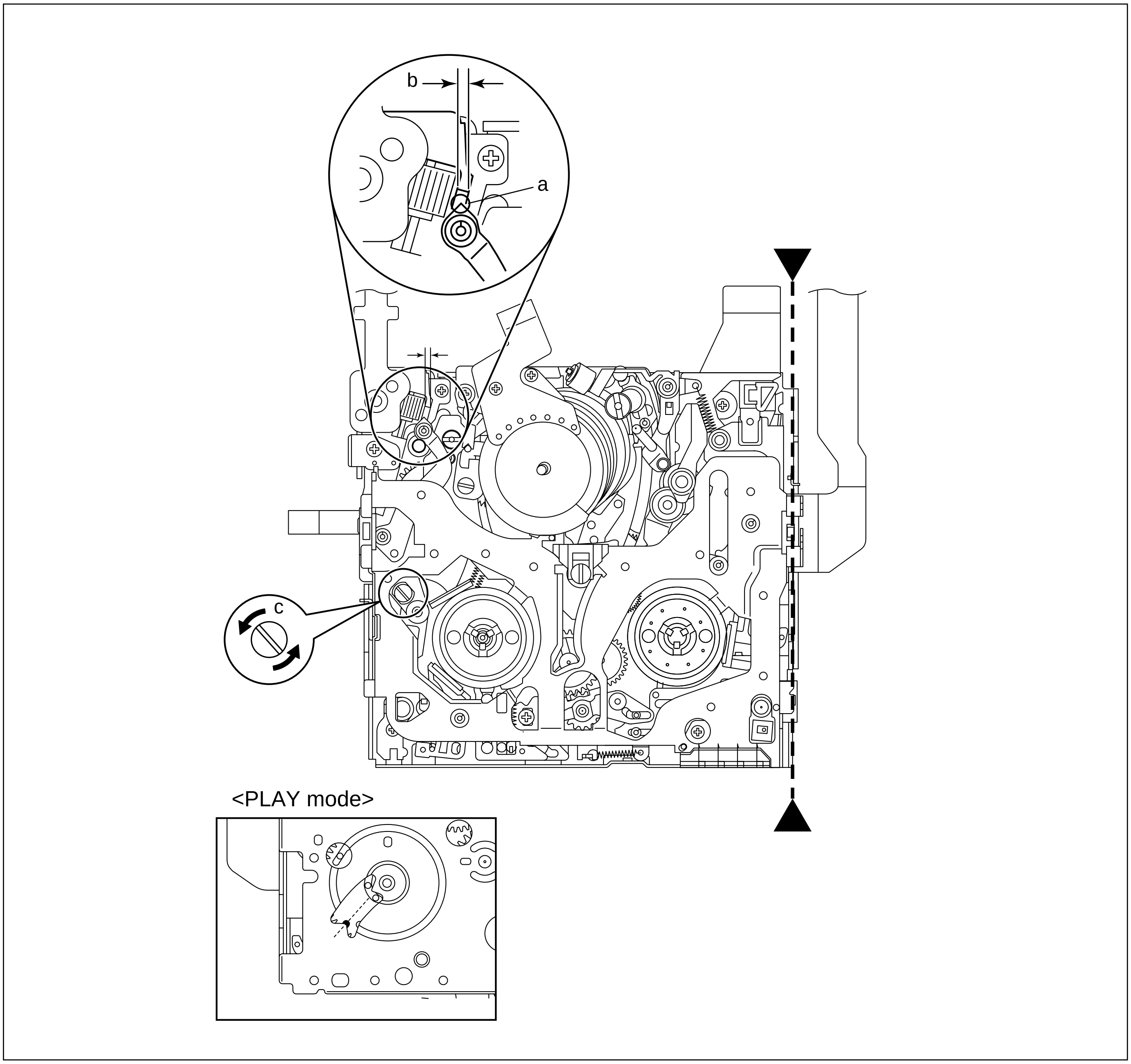


Fig. 2-2-26

Locating procedure

1. Enter the mechanism assembly into the PLAY mode. (Refer to page 2-2.)
2. When the " ►-----◄ " part is positioned down, make sure that the part "a" of the tension arm assembly is located within the range of "b".
3. If the part "a" is out of the range, turn the pin "c" to adjust the position.

2.3 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

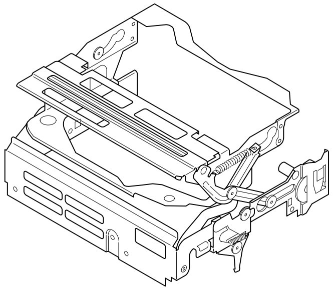
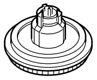
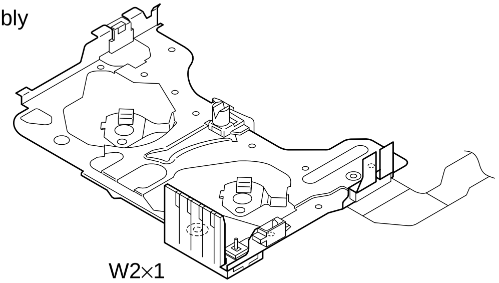
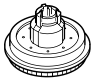
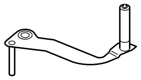
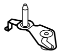
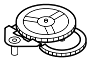
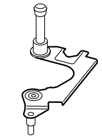
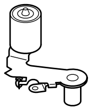
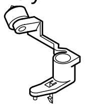
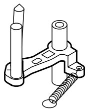
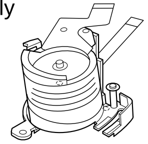
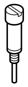
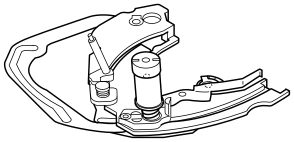
1	Ⓐ Cassette housing assembly  S1×3				
2	2a Reel disk (SUP) assembly  W2×1	2c Reel cover assembly  S2a×2 S2b×1 W2×1			
	2b Reel disk (TU) assembly  W2×1				
3	3a Tension arm assembly  W3a×1	3b Release guide assembly 	3c Idler arm assembly  W3b×1	3d Guide arm assembly 	3e Pinch roller arm assembly  W3a×1
4	4a Cleaner arm assembly 	4b Slant pole arm assembly  W4×1 P4a×1 P4b×1	4c Drum assembly  S4×3		
5	5a Guide roller (S) assembly  P5×1	5b Rail assembly  W5a×3 W5b×1			

Table 2-3-1a

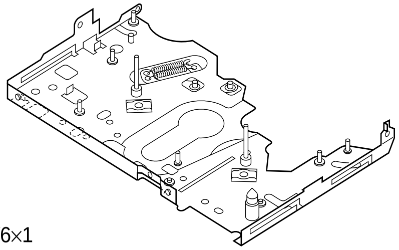
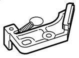
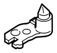
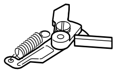
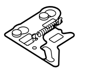
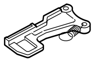
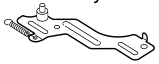
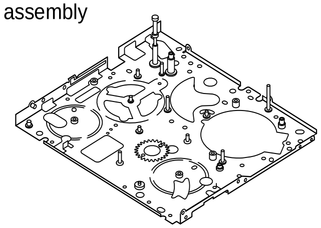
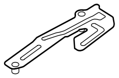
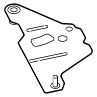
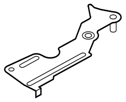
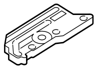
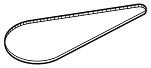
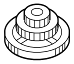
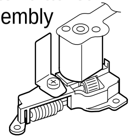
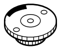
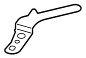
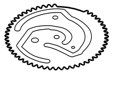
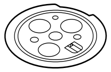
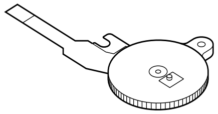
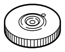
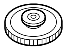
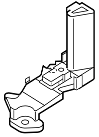
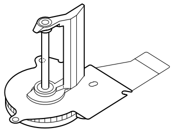
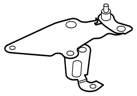
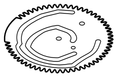
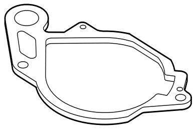
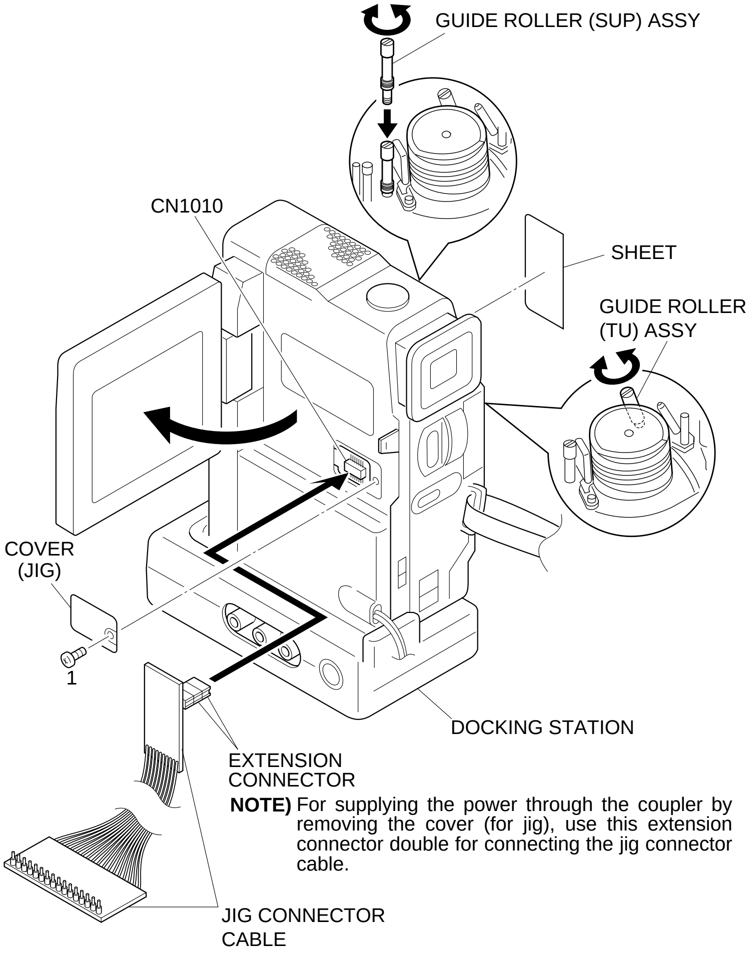
6	Ⓑ Slide deck assembly  W6×1					
7	(7a) Loading brake assembly  W7×1 P7a×1	(7b) Guide pin (SUPPLY)  S7a×1	(7c) Pad arm assembly  W7×1 P7b×1	(7d) Slide guide plate assembly  S7b×1 W7×1		
	(7e) Collar	(7f) Collar	(7g) Sub brake assembly  W7×1 P7c×1	(7h) Control plate assembly  W7×2 P7d×1		
8	Ⓒ Main deck assembly 	(8a) Tension lever assembly 	(8b) Slide lever assembly 	(8c) Brake control lever assembly 		
9	(9a) Loading guide  S9×1	(9b) Timing belt 	(9c) Center gear assembly 	(9d) Motor bracket assembly  S9×2	(9e) Worm wheel  W9×1	(9f) Gear holder  S9×1
10	(10a) Main cam gear  S10×1	(10b) Brake control plate 	(10c) Rotary encoder  S10×1 W10a×1	(10d) Connect gear  W10a×1	(10e) Reel drive pulley assembly  W10b×1	
11	(11a) Catcher (T) assembly  S11×2	(11b) Capstan motor  S11×2	(11c) Charge arm assembly  W11×1	(11d) Sub cam gear  S11×1	(11e) PWB holder  S11×2	

Table 2-3-1b

2.4 JIG CONNECTOR CABLE CONNECTOR

Remove one screw (1) first and the cover (JIG) next.


GUIDE ROLLER (SUP) ASSY
CN1010
SHEET
GUIDE ROLLER (TU) ASSY
COVER (JIG)
1
DOCKING STATION
EXTENSION CONNECTOR
JIG CONNECTOR CABLE

NOTE) For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.

Fig. 2-3-1 Jig connector cable connection

MAIN BOARD ASSEMBLY

1		D_REG2.9
	11	JIG_SPT
2		JIG_SCK
	12	JIG_MOD
3		RST
	13	VPP
4		SBD
	14	SBT
5		AL_3VSYS
	15	PB_VCO
6		MAIN_VCO
	16	ENV_OUT
7		ATFI
	17	FS_PLL
8		HID
	18	SBE
9		UNREG
	19	GND
10		UNREG
	20	GND

JIG CONNECTOR CABLE

1	D_REG2.9
2	JIG_SCK
3	RST
4	SBD
5	AL_3VSYS
6	MAIN_VCO
7	ATFI
8	HID
9	UNREG
10	UNREG
11	JIG_SPT
12	JIG_MOD
13	VPP
14	SBT
15	PB_VCO
16	ENV_OUT
17	FS_PLL
18	SBE
19	GND
20	(GND)

Fig. 2-3-2 Jig connector cable schematic diagram

SECTION 3
ELECTRICAL ADJUSTMENT

3.1 PREPARATION

1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)
- MONITOR
- E^2P ROM (IC7603 of MONITOR board)

In the event of malfunction with electrical circuits, troubleshooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation un it and DECK chassis.

2. Required test equipment

1. Color TV monitor.
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note: *It is recommended to use one observable 300 MHz or higher frequency.*

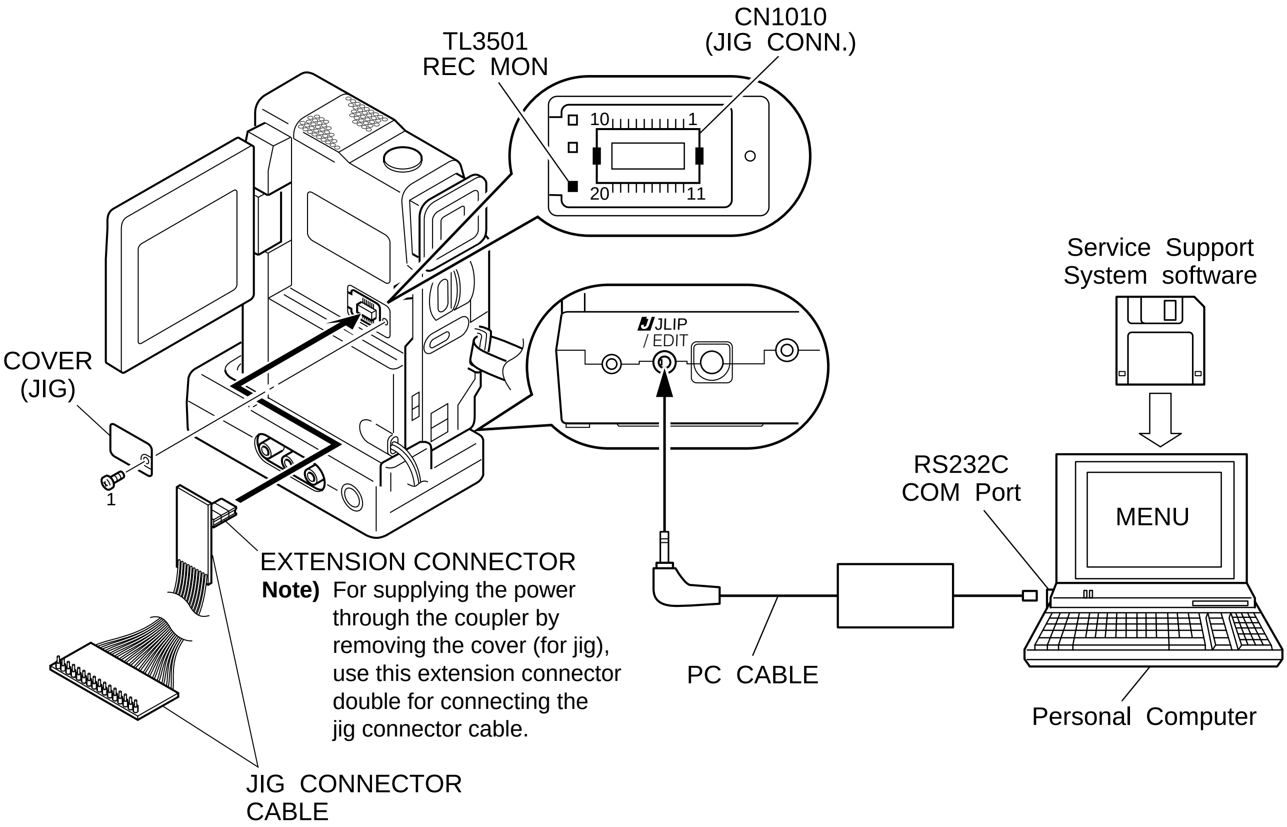
4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3. Required adjustment tools

For detsails of special jigs necessary for adjustment, refer to page 1-2 and 1-3 of the Section 1.

3.2 SETUP

1. Setup for electrical adjustment with personal computer


TL3501
REC MON
CN1010
(JIG CONN.)
10
1
20
11
JLIP
/ EDIT
Service Support
System software
COVER
(JIG)
1
RS232C
COM Port
MENU
EXTENSION CONNECTOR
PC CABLE
Personal Computer
JIG CONNECTOR
CABLE

Note) For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.

Fig. 3-2-1 Connection for Service support system

3.3 FUSE LOCATION

3.3.1 MAIN PWB (FOIL SIDE)

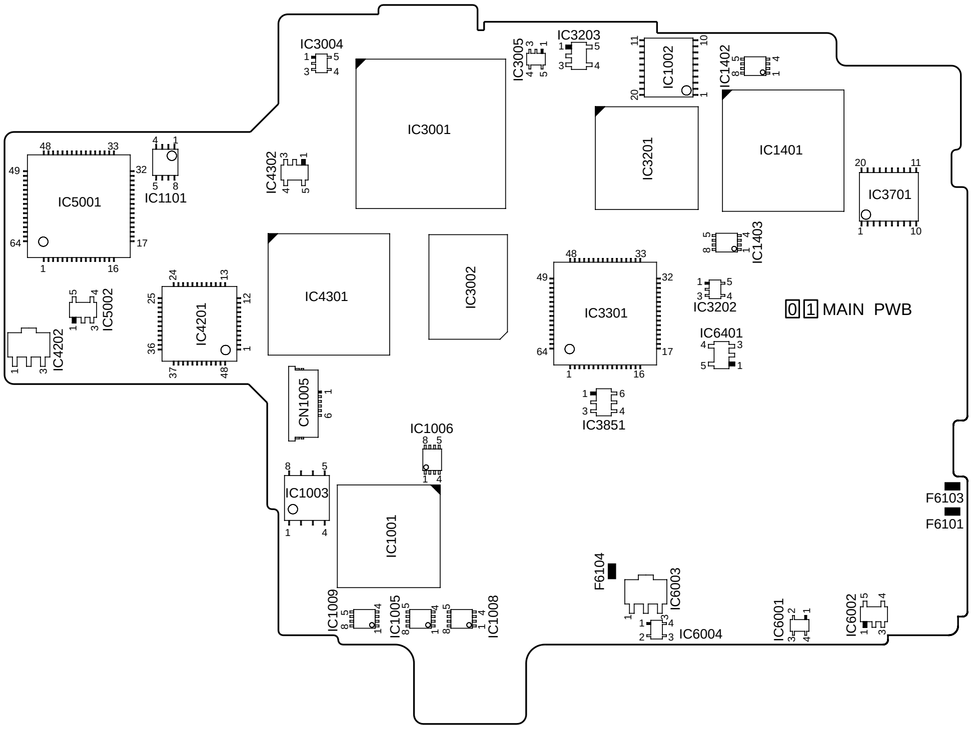

IC3004
IC3005
IC3203
IC1002
IC1402
IC3001
IC3201
IC1401
IC5001
IC1101
IC4302
IC3701
IC1403
IC4301
IC3002
IC3301
IC3202
01 MAIN PWB
IC6401
IC4201
IC5002
IC4202
CN1005
IC3851
IC1006
IC1003
IC1001
F6103
F6101
F6104
IC6003
IC6004
IC1009
IC1005
IC1008
IC6001
IC6002

Fig. 3-3-1 Fuse location for MAIN board assembly

3.3.2 MAIN PWB (COMPONENT SIDE)

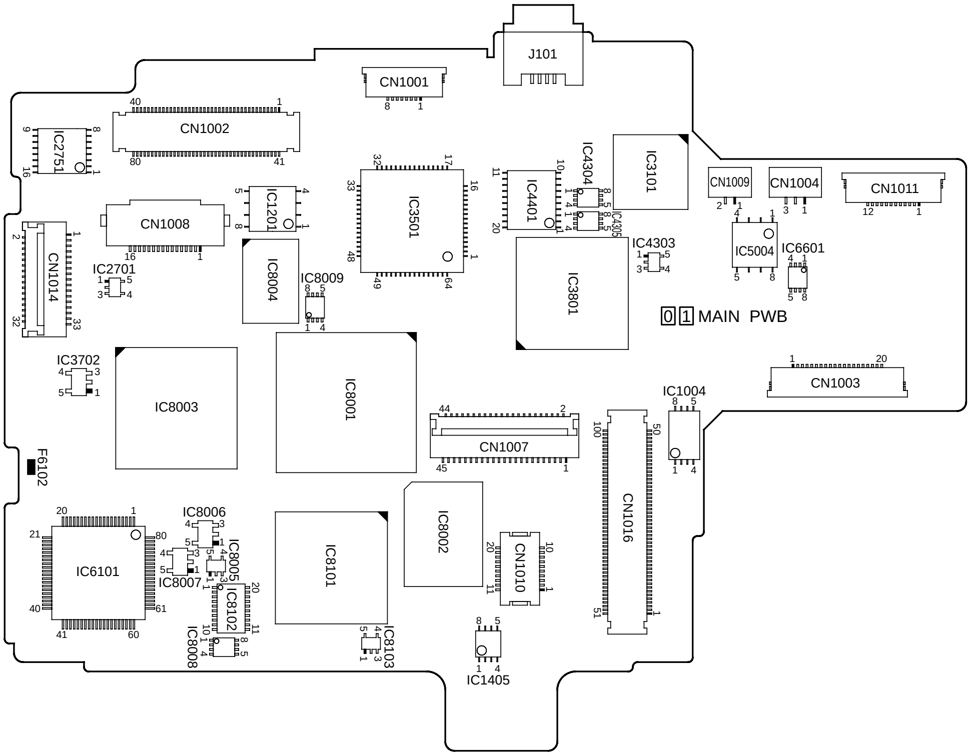
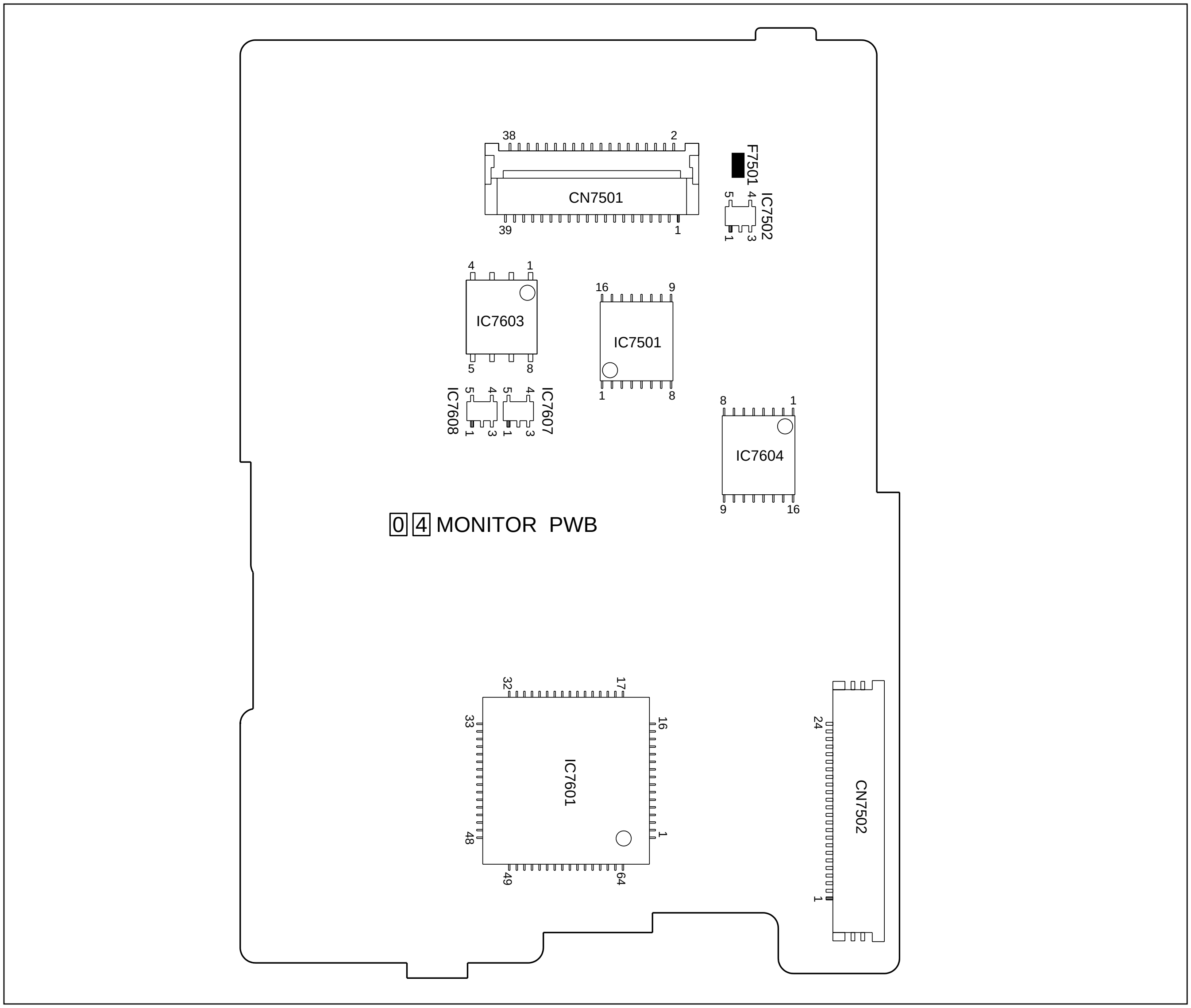

J101
CN1001
CN1002
IC2751
CN1008
IC1201
IC3501
IC4304
IC4401
IC3101
CN1009
CN1004
CN1011
IC4305
IC4303
IC5004
IC6601
CN1014
IC2701
IC8004
IC8009
IC3801
01 MAIN PWB
IC3702
IC8003
IC8001
CN1003
IC1004
CN1007
CN1016
F6102
IC6101
IC8006
IC8005
IC8007
IC8102
IC8008
IC8101
IC8002
CN1010
IC8103
IC1405

Fig. 3-3-2 Fuse location for MAIN board assembly

3.3.3 MONITOR PWB (COMPONENT SIDE)



CN7501
38
2
39
1
F7501
IC7502
5
4
1
3
IC7603
4
1
5
8
IC7501
16
9
1
8
IC7608
IC7607
IC7604
8
1
9
16
0 4 MONITOR PWB
IC7601
32
17
33
16
48
1
49
64
CN7502
24
1

Fig. 3-3-3 Fuse location for MONITOR board assembly

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2627	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2628	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2629	NBE20GM-336X	T CAPACITOR	33µF,4.0V
C2631	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2632	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2635	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2636	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2639	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2640	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2702	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C2703	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C2753	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2754	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2764	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2765	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2766	NCB21CK-474X	CAPACITOR,E,F	0.47µF,16V
C2767	NCB21CK-474X	CAPACITOR,E,F	0.47µF,16V
C2768	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2769	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C7427	NBP41DM-106X	T CAPACITOR	10µF,20V
C7428	NCB21CK-105X	CAPACITOR	1µF,16V
C7429	NBE21AM-106X	T CAPACITOR	10µF,10V
C7431	NBE20JM-106X	T CAPACITOR	10µF,6.3V
L2101	NQL402M-100X	COIL	10µH
L2102	NQL402M-100X	COIL,C,D,E,F	10µH
L2131	NQL402M-100X	COIL	10µH
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2604	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L7403	NQL045K-100X	COIL	10µH
L7404	NQL045K-100X	COIL	10µH
S7001	NSW0129-001X	PUSH SWITCH	
CN801	QGB0401L1-A0X	CONNECTOR	
CN802	QGF0517F2-12X	FPC CONNECTOR	
CN803	QGF0517F1-06X	FPC CONNECTOR	
CN804	QGA1001F1-05X	CONNECTOR	
CN805	QGF0507F1-20X	FPC CONNECTOR	
OT1	LY42535-001A	SHEET(AUD.PWB)	
OT2	LY42775-001A	S.SHEET(AU/VF)	

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JACK BOARD ASSEMBLY <09>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW1	YB10288C1	JACK BOARD ASSY	
Q2851	2SD1979/S/-X	TRANSISTOR	
D2852	MA8068	ZENER DIODE	
R2851	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
R2852	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2853	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2854	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2855	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2854	NCB31EK-223X	CAPACITOR	0.022µF,25V
C2856	NCB31EK-153X	CAPACITOR	0.015µF,25V
C2859	NCB31HK-332X	CAPACITOR	0.0033µF,50V
C2860	NCB31HK-102X	CAPACITOR	0.001µF,50V
L2851	NQR0251-004X	FERRITE BEAD	
L2852	NQR0251-004X	FERRITE BEAD	
L2853	NQR0251-004X	FERRITE BEAD	
J2851	QNS0078-001	3.5 JACK	
CN901	QGF0507F1-16X	FPC CONNECTOR	
CN902	QGF0517F2-08X	FPC CONNECTOR	

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W/B BOARD ASSEMBLY <11>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW3	YB10285A3	W/B BOARD ASSY	
Q1151	RPM-22PB	PHOTO TRANSISTOR	
R1151	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
C1151	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C1152	NCB21EK-683X-R	CAPACITOR	0.068µF,25V
L1151	NQR0265-001X	FERRITE BEAD	
WR1	WJM0144-001A	E-SI C WIRE C-F	

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EJECT BOARD ASSEMBLY <12>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
PW2	YB10288A2-01	EJECT BOARD ASSY
S1	NSW0120-002X	PUSH SWITCH
WR1	WJM0145-001A	E-SI C WIRE C-F

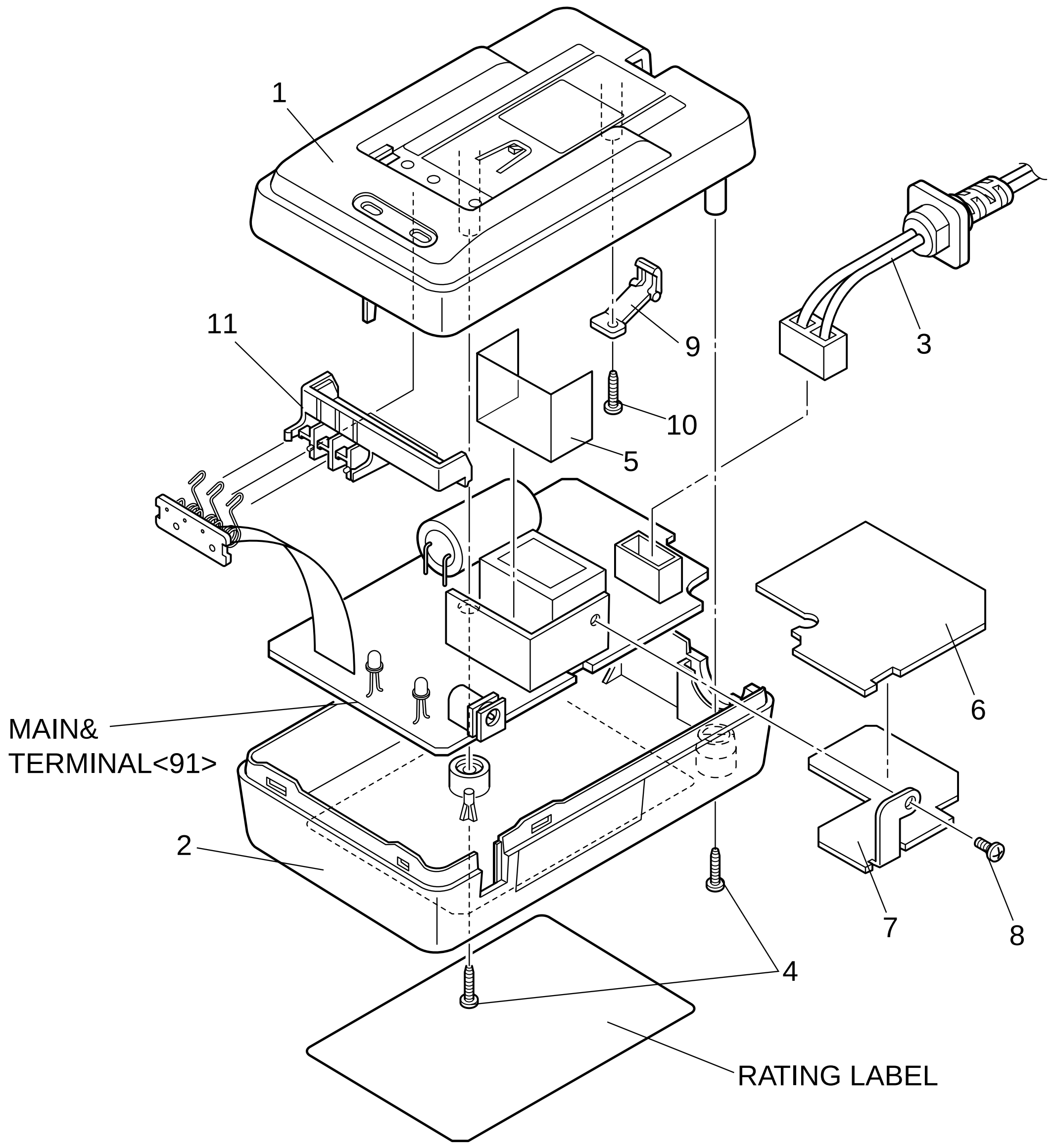
SECTION 6

AC POWER ADAPTER (AA-V51EG/EK)

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

6.1 CABINET ASSEMBLY <MA>



#⚠REF No.	PART No.	PART NAME, DESCRIPTION

✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻✻

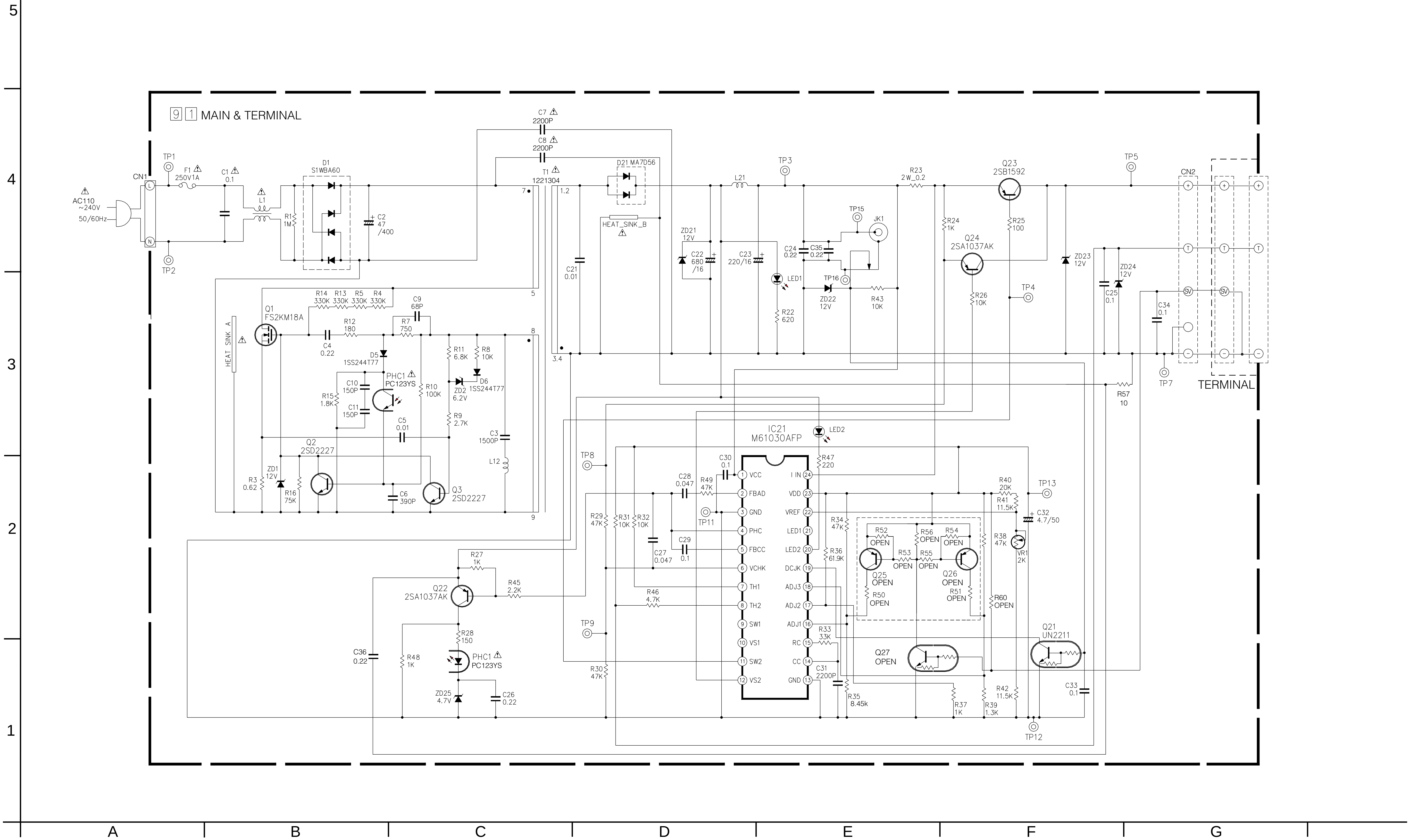
CABINET ASSEMBLY <MA>

#⚠REF No.	PART No.	PART NAME, DESCRIPTION
⚠1	PTY20603-013	UPPER CASE ASSY
⚠2	PTY20483-023	LOWER CASE
⚠3	YQ10531-006	POWER CORD For EG
	PTY20080-034	POWER CORD For EK
4	YQ10531-011	SCREW,x2
⚠5	PTY20483-078	INSULATOR B
⚠6	PTY20483-076	SHILED PLATE
⚠7	PTY20483-077	INSULATOR A
8	PTY20483-079	SCREW, for shield plate
9	PTY20603-055	LOCK LEVER
10	PTY20545-055	SCREW
11	PTY20603-054	TERMINAL HOLDER

6.2 SCHEMATIC DIAGRAM

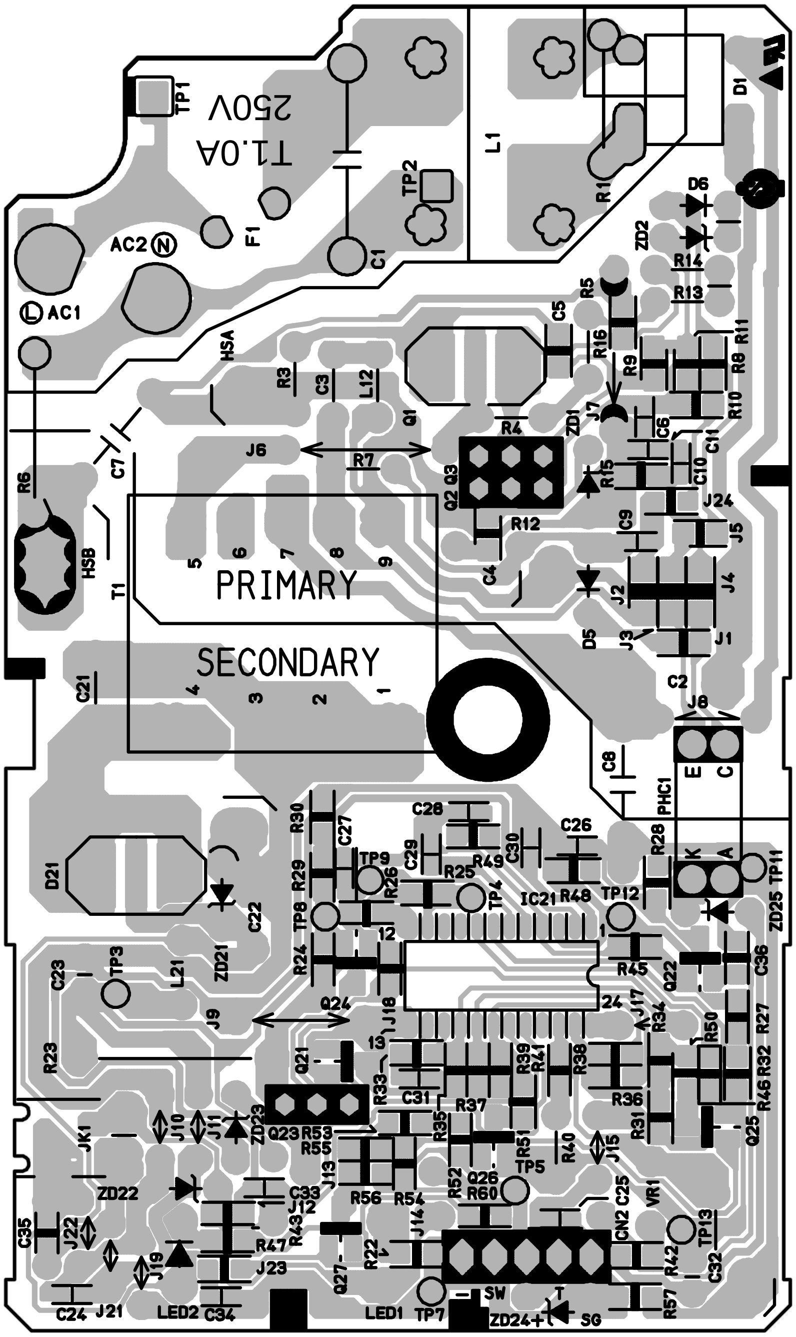
NOTE: *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

Safety precautions
The components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

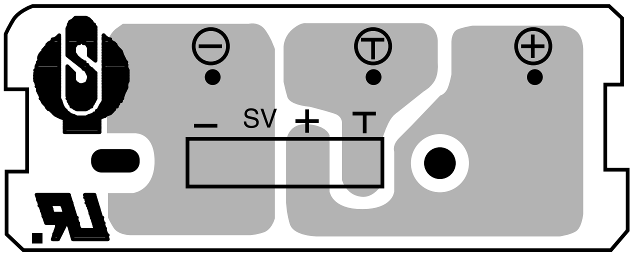


5
4
3
2
1
A
B
C
D
E
F
G
9 1 MAIN & TERMINAL
AC110 ~240V 50/60Hz
CN1
L
N
TP1
TP2
F1 ⚠ 250V1A
C1 ⚠ 0.1
L1 ⚠
R1 1M
D1 S1WBA60
C2 47 /400
C7 ⚠ 2200P
C8 ⚠ 2200P
T1 ⚠ 1221304
7
1.2
5
8
3.4
9
D21 MA7D56
HEAT_SINK_B ⚠
C21 0.01
ZD21 12V
C22 680 /16
L21
C23 220/16
TP3
LED1
R22 620
TP15
JK1
C24 0.22
C35 0.22
TP16
ZD22 12V
R43 10K
R23 2W_0.2
R24 1K
Q23 2SB1592
R25 100
Q24 2SA1037AK
R26 10K
TP4
ZD23 12V
C25 0.1
ZD24 12V
TP5
CN2
C34 0.1
TP7
TERMINAL
R57 10
HEAT_SINK_A ⚠
Q1 FS2KM18A
R14 330K
R13 330K
R5 330K
R4 330K
C9 68P
R12 180
R7 750
C4 0.22
D5 1SS244T77
R11 6.8K
R8 10K
PHC1 ⚠ PC123YS
R10 100K
ZD2 6.2V
D6 1SS244T77
C10 150P
R15 1.8K
C11 150P
R9 2.7K
C5 0.01
C3 1500P
L12
Q2 2SD2227
ZD1 12V
R3 0.62
R16 75K
C6 390P
Q3 2SD2227
IC21 M61030AFP
LED2
R47 220
TP8
C30 0.1
C28 0.047
R49 47K
TP11
R29 47K
R31 10K
R32 10K
C27 0.047
C29 0.1
R46 4.7K
TP9
R30 47K
1 VCC
2 FBAD
3 GND
4 PHC
5 FBCC
6 VCHK
7 TH1
8 TH2
9 SW1
10 VS1
11 SW2
12 VS2
24 I IN
23 VDD
22 VREF
21 LED1
20 LED2
19 DCJK
18 ADJ3
17 ADJ2
16 ADJ1
15 RC
14 CC
13 GND
R34 47K
R36 61.9K
R33 33K
C31 2200P
R35 8.45k
R52 OPEN
R56 OPEN
R54 OPEN
R53 OPEN
R55 OPEN
Q25 OPEN
Q26 OPEN
R50 OPEN
R51 OPEN
R60 OPEN
Q27 OPEN
R37 1K
R39 1.3K
R40 20K
R41 11.5K
TP13
C32 4.7/50
R38 47K
VR1 2K
Q21 UN2211
R42 11.5K
C33 0.1
TP12
R27 1K
Q22 2SA1037AK
R45 2.2K
R28 150
PHC1 ⚠ PC123YS
ZD25 4.7V
C26 0.22
C36 0.22
R48 1K

6.3 CIRCUIT BOARD



TP1
250V
T1.0A
F1
C1
TP2
L1
R1
D1
D6
ZD2
R14
R13
AC2 N
L AC1
R5
C5
R16
R9
R8
R11
R10
HSA
R3
C3
L12
Q1
R4
ZD1
J7
C6
C11
C10
J6
R7
Q3
Q2
R15
R12
J24
C9
J5
R6
C7
HSB
T1
5
6
7
8
9
PRIMARY
C4
D5
J2
J4
J3
J1
C2
SECONDARY
4
3
2
1
C21
J8
C8
E
C
PHC1
R30
C27
C28
C26
C30
C29
TP9
R26
R25
R49
TP4
IC21
R48
TP12
R28
K
A
TP11
ZD25
D21
C22
R29
TP8
12
1
R45
Q22
C36
R24
ZD21
C23
TP3
L21
J9
Q24
J18
24
J17
R34
R50
R27
R23
Q21
13
R39
R41
R38
R32
R46
R33
C31
R37
R36
R31
Q25
J10
J11
ZD23
Q23
R53
R55
R35
R51
R40
J15
JK1
ZD22
J13
R56
R54
R52
Q26
R60
TP5
C25
VR1
TP13
C33
J12
R47
R43
J14
CN2
R42
C35
J22
J19
J23
Q27
R22
C32
C24
J21
LED2
C34
LED1
TP7
SW
ZD24
T
SG
R57



6.4 ELECTRICAL PARTS LIST

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MAIN & TERMINAL BOARD ASSY <91>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
⚠	PW1	PTY20603-503	MAIN & TERMINAL BOARD ASSY	
⚠	HS1	PTY20483-071	HEAT SINK A	
⚠	HS2	PTY20591-072	HEAT SINK B	
	OT1	PTY10067-551	SCREW	
	IC21	M61030AFP	CHARGE COTROL IC 24pin SOP	
	Q1	FS2KM18A	MOS FET	
	Q2	2SD2227	TRANSISTER	
	Q3	2SD2227	TRANSISTER	
	Q21	UN2211TX	DIG.TRANSISTER	
	Q22	2SA1037AK/QR/-X	CHIP TRANSISTER	
	Q23	2SB1592	TRANSISTER	
	Q24	2SA1037AK/QR/-X	TRANSISTER	
	D1	S1WBA60	B.DIODE!	600V 1A
	D5	1SS244T77	DIODE	200V 6A
	D6	1SS244T77	DIODE	200V 6A
	D21	MA7D56	DIODE	60V 10A
	ZD1	MTZJ12C-T2	ZENER DIODE	12V
	ZD2	MTZJ6.2B-T2	ZENER DIODE	6.2V 500mW
	ZD21	MTZJ12C-T2	ZENER DIODE	12V
	ZD22	MTZJ12C-T2	ZENER DIODE	12V
	ZD23	MTZJ12C-T2	ZENER DIODE	12V
	ZD24	MTZJ12C-T2	ZENER DIODE	12V
	ZD25	MA4047NM	ZENER DIODE	4.7V 500mW
	LED1	YQ10531-540	LED RED POWER	
	LED2	YQ10531-542	LED GREEN CHARGE	
	R1	QRN141J-105	RESISTOR	1MΩ 1/4W
	R3	PTY10067-601	MF RESISTOR	0.62Ω 1W
	R4	QRE141J-334Y	RESISTOR	330kΩ 1/4W
	R5	QRE141J-334Y	RESISTOR	330kΩ 1/4W
	R7	QRE141J-751Y	RESISTOR	750Ω 1/4W
	R8	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W
	R9	NRSA02J-272X	MG RESISTOR	2.7kΩ 1/10W
	R10	NRSA02J-104X	MG RESISTOR	100kΩ 1/10W
	R11	NRSA02J-682X	MG RESISTOR	6.8kΩ 1/10W
	R12	QRE141J-181Y	RESISTOR	180Ω 1/4W
	R13	QRE141J-334Y	RESISTOR	330kΩ 1/4W
	R14	QRE141J-334Y	RESISTOR	330kΩ 1/4W
	R15	NRSA02J-182X	MG RESISTOR	1.8kΩ 1/10W
	R16	NRSA02J-753X	MG RESISTOR	75kΩ 1/10W
	R22	NRSA02J-621X	MG RESISTOR	620Ω 1/10W
	R23	PTY20539-605	MF RESISTOR	0.20Ω 2W
	R24	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W
	R25	NRSA02J-101X	MG RESISTOR	100Ω 1/10W
	R26	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W
	R27	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W
	R28	NRSA02J-151X	MG RESISTOR	150Ω 1/10W
	R29	PTY20539-601	MG RESISTOR	47.0kΩ 1/10W
	R30	PTY20539-601	MG RESISTOR	47.0kΩ 1/10W
	R31	PTY20292-227	MG RESISTOR	10.0kΩ 1/10W
	R32	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W
	R33	NRSA02J-333X	MG RESISTOR	33kΩ 1/10W
	R34	PTY20539-601	MG RESISTOR	47.0kΩ 1/10W
	R35	NRSA02F-8451X	MG RESISTOR	8.45kΩ 1/10W
	R36	NRSA02F-6192X	MG RESISTOR	61.9kΩ 1/10W
	R37	PTY20539-603	MG RESISTOR	1.0kΩ 1/10W
	R38	PTY20539-601	MG RESISTOR	47.0kΩ 1/10W
	R39	PTY20539-604	MG RESISTOR	1.3kΩ 1/10W
	R40	PTY20450-200	MG RESISTOR	20.0kΩ 1/4W
	R41	NRSA02F-1152X	MG RESISTOR	11.5kΩ 1/10W
	R42	NRSA02F-1152X	MG RESISTOR	11.5kΩ 1/10W
	R43	QRE141J-103Y	MF RESISTOR	10kΩ 1/4W
	R45	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W
	R46	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W
	R47	NRSA02J-221X	MG RESISTOR	220Ω 1/10W
	R48	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W
	R49	NRSA02J-473X	MG RESISTOR	47kΩ 1/10W
	R57	NRSA02J-100X	MG RESISTOR	10Ω 1/10W
⚠	C1	QFZ9072-104	CAPACITOR	0.1μF 275V
	C2	YQ10626-402	E CAPACITOR	47μF 400V
	C3	PTY10067-651	CAPACITOR	1500pF 250V
	C4	NCB21CK-224X	CAPACITOR	0.22μF 16V
	C5	PTY10067-653	CAPACITOR	0.01μF 50V
	C6	NCB31HK-391X	CAPACITOR	390pF 50V
⚠	C7	PTY20538-611	CAPACITOR	2200pF 250V
⚠	C8	PTY20538-611	CAPACITOR	2200pF 250V
	C9	NDC31HJ-680X	CAPACITOR	68pF 50V
	C10	NDC31HJ-151X	CAPACITOR	150pF 50V
	C11	NDC31HJ-151X	CAPACITOR	150pF 50V
	C21	PTY10067-657	CAPACITOR	0.01μF 250V
	C22	PTY20292-321	E CAPACITOR	680μF 16V
	C23	QETL1CM-227	E CAPACITOR	220μF 16V
	C24	PTY20603-601	CAPACITOR	0.22μF 10V
	C25	NCF31EZ-104X	CAPACITOR	0.1μF 25V
	C26	PTY20603-601	CAPACITOR	0.22μF 10V
	C27	NCB31CK-473X	CAPACITOR	0.047μF 16V
	C28	NCB31CK-473X	CAPACITOR	0.047μF 16V
	C29	NCB31CK-104X	CAPACITOR	0.1μF 16V
	C30	NCF31EZ-104X	CAPACITOR	0.1μF 25V
	C31	NCB31HK-222X	CAPACITOR	0.0022μF 50V
	C32	QEHA1HM-475	E CAPACITOR	4.7μF 50V
	C33	NCF31EZ-104X	CAPACITOR	0.1μF 25V
	C34	NCF31EZ-104X	CAPACITOR	0.1μF 25V
	C35	QFLA1HJ-224	F CAPACITOR	0.22μF 50V
	C36	NCB21CK-224X	CAPACITOR	0.22μF 16V
⚠	T1	PTY20538-801	SW TRANS	
	VR1	PTY20483-101	VOLUME	2kΩ
⚠	F1	PTY20450-041	FUSE	1A 250V
	JK1	YQ21032-301	DC JACK	
⚠	L1	PTY20450-401	LINE FILTER	
	L12	PTY10067-702	BEAD INDUCTOR	
	L21	PTY10067-703	COIL	
⚠	PHC1	PC123YS	PHOTO COUPLER	
	TB1	PTY20603-053	TERMINAL, x3	
	WR1	PTY20603-052	FLAT CABLE, (4P)	
	CN1	PTY20603-056	CONNECTOR	

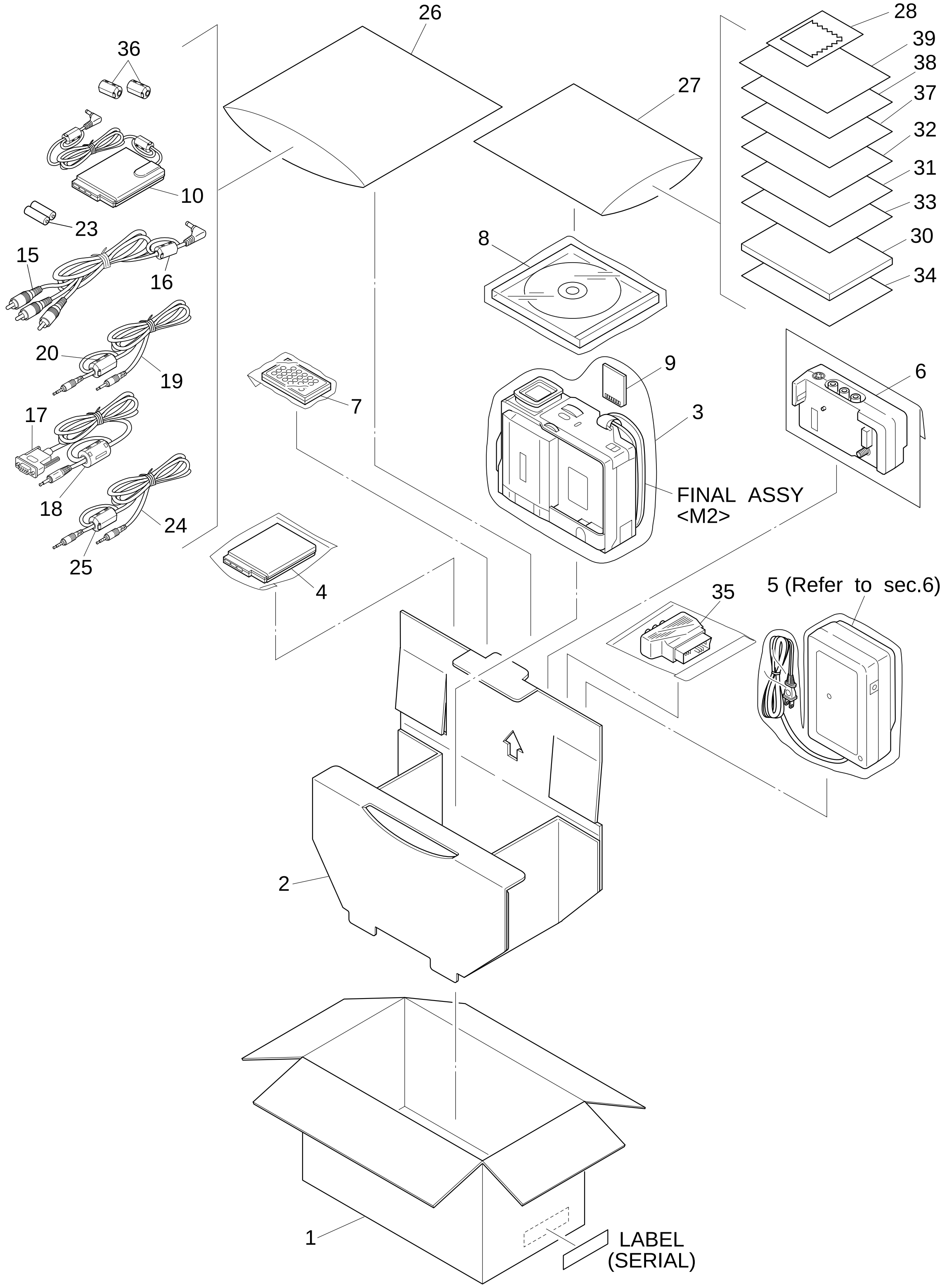
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



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PACKING AND ACCESSORY ASSEMBLY <M1>

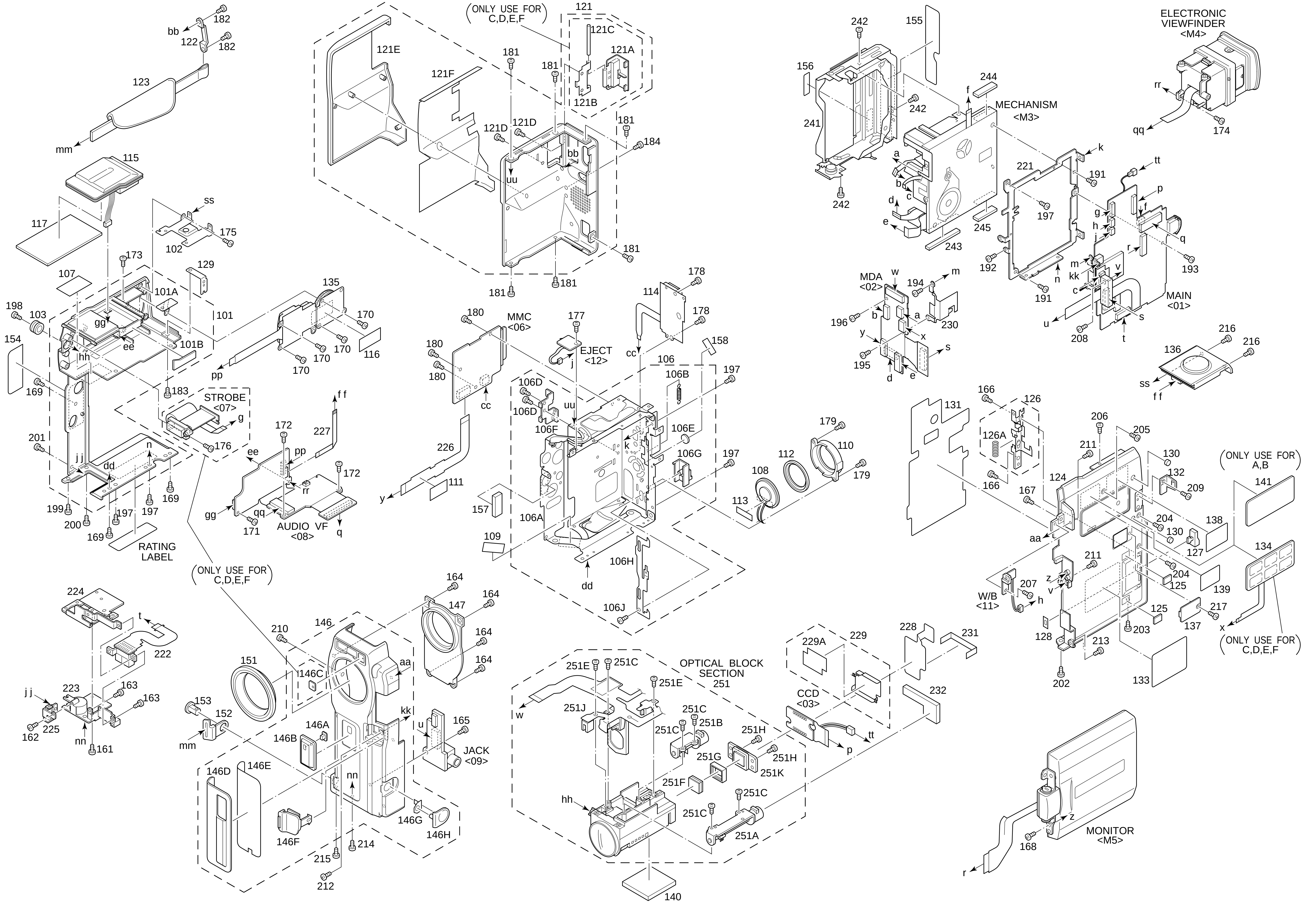
# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	1	LY31717-004A	PACKING CASE,B
		LY31717-006A	PACKING CASE,D
		LY31717-020A	PACKING CASE,F
		LY32032-001A	PACKING CASE,C
		LY32032-002A	PACKING CASE,A
		LY32032-003A	PACKING CASE,E
	2	LY20588-001A	CUSHION
	3	LY30023-003A	POLY BAG
⚠	4	LY31174-003B	BATTERY PACK,BN-V507U-E
⚠	5	LY20603-002B	AC ADAPTER CHARGER,AA-V51EG,A,C,E
⚠		LY20603-003B	AC ADAPTER CHARGER,AA-V51EK,B,D,F
⚠	6	LY20590-004A	DOCKING STATION,CU-V502E,C,D,E,F
⚠		LY20590-005A	DOCKING STATION,CU-V503E,A,B
	7	LY20543-002A	REMOTE CONTROL UNIT,RM-V716U
	8	LY31133-013A	CD ROM,C,D,E,F
		LY31133-015A	CD ROM,A,B
	9	QAM0262-002	MULTIMEDIA CARD,C,D,E,F
	10	LY31176-005B	DC CORD
	15	QAM0120-001	CABLE ASSY,AUDIO/VIDEO CABLE
	16	QQR0918-002	CORE FILTER
	17	QAM0084-001	PC CONNECTION CABLE
	18	QQR0918-002	CORE FILTER
	19	QAM0214-001	RM(EDITING)CABLE
	20	QQR0491-002	CORE FILTER
	23	–	BATTERY,AAA(R03),X2
	24	QAM0129-001	JLIP CABLE
	25	QQR0491-002	CORE FILTER,C,D,E,F
		QQR0855-003	NOISE FILTER,A,B
	26	QPGA017-03005	POLY BAG
	27	QPA02003006	POLY BAG,A,C,E
		YQM30061-3	POLY BAG,B,D,F
	28	YQ43558	CLEANING CLOTH
⚠	30	LYT0629-001A	IB(EN),C,D,E,F
⚠		LYT0629-002B	IB(GE),C,E
⚠		LYT0629-003B	IB(FR),C,E
⚠		LYT0629-004A	IB(DU),C,E
⚠		LYT0629-005A	IB(SP),C,E
⚠		LYT0629-006A	IB(IT),C,E
⚠		LYT0629-007A	IB(DA),C,E
⚠		LYT0629-008A	IB(FI),C,E
⚠		LYT0629-009A	IB(SW),C,E
⚠		LYT0629-010A	IB(NO),C,E
⚠		LYT0629-011A	IB(RU),C,E
⚠		LYT0629-012A	IB(CZ),C,E
⚠		LYT0629-013A	IB(PO),C,E
⚠		LYT0629-014A	IB(HU),C,E
⚠		LYT0633-001A	IB(EN),A,B
⚠		LYT0633-002A	IB(GE),A
⚠		LYT0633-003A	IB(FR),A
⚠		LYT0633-004A	IB(DU),A
⚠		LYT0633-005A	IB(SP),A
⚠		LYT0633-006A	IB(IT),A
⚠		LYT0633-007A	IB(DA),A
⚠		LYT0633-008A	IB(FI),A
⚠		LYT0633-009A	IB(SW),A
⚠		LYT0633-010A	IB(NO),A
⚠		LYT0633-011A	IB(RU),A
⚠		LYT0633-012A	IB(CZ),A
⚠		LYT0633-013A	IB(PO),A
⚠		LYT0633-014A	IB(HU),A
	31	LYT0584-004A	IB(PRINTER.EN),C,D,E,F
		LYT0584-005A	IB(PRINTER.FR),C,E
		LYT0584-006A	IB(PRINTER.SP),C,E
		LYT0629-016A	IB(PRINTER.GE),C,E
		LYT0629-018A	IB(PRINTER.DU),C,E
		LYT0629-020A	IB(PRINTER.IT),C,E
		LYT0629-021A	IB(PRINTER.DA),C,E
		LYT0629-022A	IB(PRINTER.FI),C,E
		LYT0629-023A	IB(PRINTER.SW),C,E
		LYT0629-024A	IB(PRINTER.NO),C,E
		LYT0629-025A	IB(PRINTER.RU),C,E
		LYT0629-026A	IB(PRINTER.CZ),C,E
		LYT0629-027A	IB(PRINTER.PO),C,E
		LYT0629-028A	IB(PRINTER.HU),C,E
⚠	32	LYT0500-001A	IB(SOFT.SETUP),A
⚠		LYT0501-001A	IB(SOFT.SETUP),B
⚠		LYT0589-001A	IB(SOFT.SETUP),C,E
⚠		LYT0643-001A	IB(SOFT.SETUP),D,F
	33	LYT0378-003A	SHEET(AGREMENT)
	34	BT-54008-2	GUARANTY CARD,B,D,F
		BT-54013-1	WARRANTY CARD,A,C,E
	35	PEMC1000-01-02	CONNECTOR,CABLE ADAPTER
	36	QQR0918-002	CORE FILTER,X2
	37	LYT0194-001A	Q.CARD(JUK),B,D,F
	38	YU30878	REGIST.CARD,B,D,F
	39	LYT0162-022A	ACC. LEAFLET

MODEL	MARK
GR-DVX8EG	A
GR-DVX8EK	B
GR-DVX9EG	C
GR-DVX9EK	D
GR-DVX10EG	E
GR-DVX10EK	F

- **INSTRUCTIONS**

EN .... ENGLISH
GE ...... GERMANY
FR .... FRENCH
DU ...... DUTCH
SP .... SPANISH
IT .... ITALIAN
DA .... DANISH
FI .... FINNISH
SW ...... SWEDISH
NO ...... NORWEGIAN
RU ...... RUSSIAN
CZ .... CZECH
PO ...... POLISH
HU ...... HUNGARIAN

5.2 FINAL ASSEMBLY <M2>



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FINAL ASSEMBLY <M2>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
⚠	101	LY20576-004B	LOWER CASE ASSY,A,B
⚠		LY20576-005B	LOWER CASE ASSY,C,D,E,F
	101A	LY42536-001A	SHEET(LOWER)
	101B	LY42259-001A	SHEET(MIC C)
	102	LY31764-001A	BKT(TOP)
	103	LY41675-001B	RUBBER
	106	LY20601-001B	ARM ASSY
	106A	LY20594-001A	BRACKET(ARM)
	106B	LY30001-023A	TENSION SPRING
	106D	LY30018-056A	SPECIAL SCREW,X2
	106E	LY42268-001A	SPACER(SPK)
	106F	LY31678-001A	BRACKET(HOOK)
	106G	LY31676-001A	KNOB(EJECT)
	106H	LY31665-001A	PLATE(LOCK)
	106J	LY30018-015A	SPECIAL SCREW
	107	LY30029-083A	SPACER(A)
	108	QAS0053-001	SPEAKER
	109	LY30029-084A	SPACER(A)
	110	LY31762-001A	HOLDER(SPK)
	111	LY30029-085A	SPACER(A)
	112	LY40301-001A	SPACER(SPK)
	113	LY30029-086A	SPACER(A)
	114	LY31680-001B	ZOOM UNIT,C,D
		LY31680-002B	ZOOM UNIT,A,B
		LY31680-003B	ZOOM UNIT,E,F
	115	LY31671-001B	MICROPHONE
	116	LY30029-083A	SPACER(A)
	117	LY30029-094A	SPACER(A)
	121	LY20602-001A	CASS.COVER ASSY,C,D,E,F
		LY20602-003A	CASS.COVER ASSY,A,B
	121A	LY31675-001A	PLATE(HINGE),C,D,E,F
	121B	LY42261-001A	BRACKET(HINGE),C,D,E,F
	121C	LY30014-009A	SHAFT(C),C,D,E,F
	121D	LY30018-026A	SPECIAL SCREW,X2
	121E	LY20599-001A	COVER(C.C),C,D,E,F
		LY20599-002A	COVER(C.C),A,B
	121F	LY42434-001A	SHEET(COVER)
	122	LY41588-001A	HOOK(OPE)
	123	LY31745-001B	GRIP BELT
	124	LY10236-001A	UPPER CASE
	125	LY30029-091A	SPACER(A),X2
	126	LY42270-001A	BATT.LOCK ASSY
	126A	LY30002-015A	COMPRES. SPRING
	127	LY31102-001A	KNOB(LOCK)
	128	LY41397-001A	PLATE(KNOB)
	129	LY42326-001A	BRACKET(L/U)
	130	LY42350-001A	FOOT,X2
	131	LY42272-001A	SHEET(UPPER)
	132	LY31682-001B	LOCK(MONITOR)
⚠	133	LY41605-003A	LABEL(UPPER)
	134	LY31684-001A	SUB OPE ASSY,C,D,E,F
	135	LY20600-001A	CAMERA OPE UNIT,C,D
		LY20600-002A	CAMERA OPE UNIT,E,F
		LY20600-003A	CAMERA OPE UNIT,A,B
	136	LY31906-001A	DECK OPE ASSY
	137	LY41393-004A	COVER(JIG CONN)
	138	LY41701-002A	SHEET(CAUTION)1
	139	LY42163-003A	SHEET(CAUTION)2
	140	LY30029-099A	SPACER(A)
	141	LY42406-001A	SHEET,A,B
⚠	146	LY20581-004E	FRONT COVER ASSY,A,B
⚠		LY20581-005E	FRONT COVER ASSY,C,D
⚠		LY20581-008A	FRONT COVER ASSY,E,F
	146A	LY42276-001B	INDICATOR
	146B	LY42277-001A	WINDOW(IR)
	146C	LY42278-001A	WINDOW(STB),C,D,E,F
	146D	LY31687-001A	PAD
	146E	LY42280-001A	SHEET(DF)
	146F	LY42281-001A	COVER(DV)ASSY
	146G	LY42286-001A	HINGE(AV)
	146H	LY42285-001A	COVER(AV),E,F
		LY42285-002A	COVER(AV),A,B,C,D
	147	LY31761-002B	FRONT COVER2
	151	LY31767-001A	HOOD ASSY,C,D
		LY31767-001B	HOOD ASSY,A,B,E,F
	152	LY31691-001B	HOOK
	153	LY42287-001A	STUD(HOOK)
	154	LY42404-001A	SHEET
	155	LY40698-002A	LABEL(HOUSING)
	156	LY40699-002A	LABEL(PUSH)
	157	LY30016-0H5A	SPACER-A
	158	LY30029-074A	SPACER(A)
	161	QYSPSPT1740R	SCREW
	162	LY30018-063A	SPECIAL SCREW
	163	QYSPSPT1740R	SCREW,X2
	164	QYSPSGT1740Z	SCREW,X4
	165	QYSPSGT1740Z	SCREW
	166	QYSPSPT1725Z	SCREW,X2
	167	LY30018-068A	SPECIAL SCREW
	168	LY30018-0B9A	SPECIAL SCREW
	169	LY30018-032A	SPECIAL SCREW,X3
	170	LY30018-020A	SPECIAL SCREW,X4
	171	LY30018-020A	SPECIAL SCREW
	172	LY30019-007B	SPECIAL SCREW,X2
	173	LY30018-060A	SPECIAL SCREW
	174	LY30018-093A	SPECIAL SCREW
	175	LY30018-026A	SPECIAL SCREW
	176	LY30018-060A	SPECIAL SCREW,C,D,E,F
	177	LY30018-043B	SPECIAL SCREW
	178	LY30018-032A	SPECIAL SCREW,X2
	179	LY30018-096A	SPECIAL SCREW,X2
	180	QYSPSPT1720R	SCREW,X3
	181	LY30018-066A	SPECIAL SCREW,X6
	182	LY30018-0B5A	SPECIAL SCREW,X2
	183	QYSPSPT1720R	SCREW
	184	LY30018-0B5A	SPECIAL SCREW
	191	LY30019-026A	SPECIAL SCREW,X2
	192	YQ43893-4	MINI SCREW
	193	QYSPSPT1735R	SCREW
	194	YQ43893-4	MINI SCREW
	195	QYSPSPT1735R	SCREW
	196	LY30018-070A	SPECIAL SCREW
	197	LY30018-049A	SPECIAL SCREW,X5,A,B
		LY30018-070A	SPECIAL SCREW,X5,C,D,E,F
	198	LY30019-023A	SPECIAL SCREW
	199	QYSPSPT1735R	SCREW
	200	QYSPSPT1720R	SCREW
	201	LY30018-070A	SPECIAL SCREW
	202	QYSPSPT1735R	SCREW
	203	QYSPSPT1735R	SCREW
	204	QYSPSPT1730R	SCREW,X2,C,D
		QYSPSPT1735R	SCREW,X2,A,B,E F
	205	LY30018-060A	SPECIAL SCREW,A,B,C,D
		LY30018-0B7A	SPECIAL SCREW,E,F
	206	LY30018-060A	SPECIAL SCREW,A,B,C,D
		LY30018-0B7A	SPECIAL SCREW,E,F
	207	QYSPSPT1735R	SCREW
	208	QYSPSPT1735R	SCREW
	209	LY30018-0B8A	SPECIAL SCREW
	210	LY30018-0B7A	SPECIAL SCREW
	211	QYSPSGT1780R	SCREW,X2
	212	LY30018-0B8A	SPECIAL SCREW
	213	QYSPSGT1712R	SCREW
	214	QYSPSPT1735R	SCREW
	215	LY30019-022A	SPECIAL SCREW
	216	QYSPSPT1735R	SCREW,X2
	217	LY30018-070A	SPECIAL SCREW
	221	LY20582-001A	BRACKET(MECHA)
	222	LY31758-001A	FPC ASSY(M.CN)
	223	LY31693-001A	BASE(T.P.)
	224	LY42290-001A	BRACKET(BASE)1
	225	LY42291-001A	BRACKET(BASE)2,A,B,E,F
		LY42291-001B	BRACKET(BASE)2,C,D
	226	QAL0240-001	FPC,MDA CN208-MMC CN601
	227	WJT0034-001A	E-CARD WIRE,AU/VF CN803-D.OPE
	228	LY42756-001B	HEAT TAPE
	229	LY42748-001B	SHIELD ASSY
	229A	LY42677-001A	SHEET(CCD)
	230	LY31696-001A	SHIELD PLATE
	231	LY30029-095A	SPACER(A)
	232	LY42770-001A	SPACER(OP.M)
	241	LY30483-001Q	CASSETTE HOUSING ASSY
	242	YQ43893-4	MINI SCREW,X3
	243	LY41430-005A	SPACER
	244	LY30029-090A	SPACER(A)
	245	LY41430-004A	SPACER

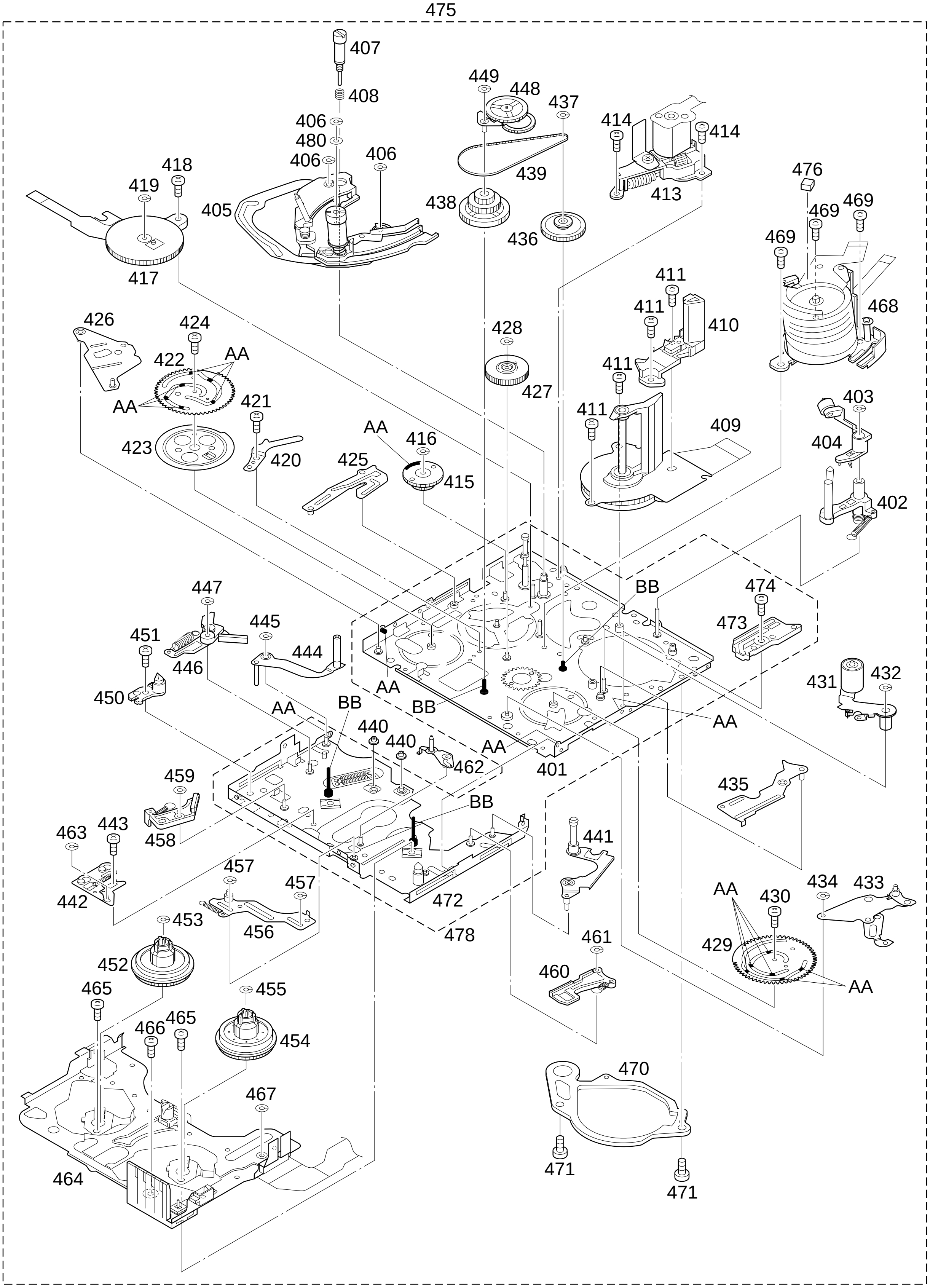
– OPTICAL BLOCK SECTION –

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	251	LYH20156-002A	OPTICAL BLOCK ASSY
	251A	LY31572-001A	ZOOM MOTOR
	251B	LY31571-001A	FOCUS MOTOR
	251C	LY30727-002A	SCREW,X5
	251E	LY30727-001A	SCREW,X2
	251F	LY42110-001A	OPTICAL LPF
	251G	LY30721-001A	SPACER RUBBER
	251H	QYSPSGU1750Z	SCREW,X2
	251J	LY31573-001A	IRIS MOTOR UNIT
	251K	YS40168H	CCD BASE ASSY

5.3 MECHANISM ASSEMBLY <M3>

BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.



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Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

NOTE: The section marked in **AA** and **BB** indicate lubrication and greasing areas.

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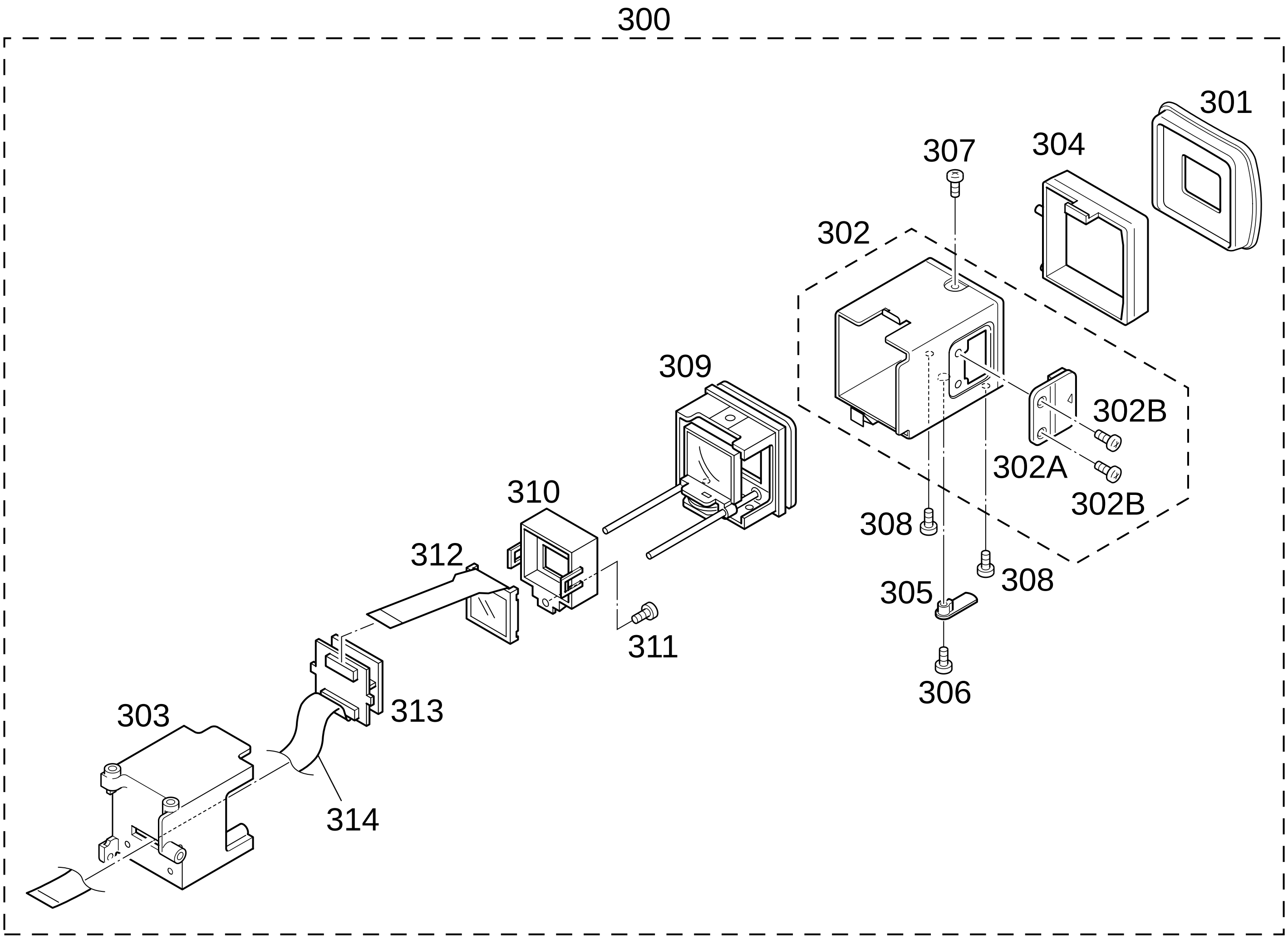
MECHANISM ASSEMBLY <M3>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
401	LY10077-001L	MAIN DECK ASSY
402	LY30436-001F	SLANT P.ARM AS
403	YQ44246	SLIT WASHER
404	LY30438-001B	CLEANER ARM ASSY
405	LY10080-001V	RAIL ASSY
406	YQ44246	SLIT WASHER,X3
407	LY40353-001D	GUIDE ROLLER(S)ASSY
408	LY30002-006C	COMPRES. SPRING
409	QAR0026-002	CAPSTAN MOTOR
410	LY30504-001C	CATCHER(T)ASSY
411	YQ43893	MINI SCREW,X4
413	LY30448-001G	MOTOR BKT ASSY
414	YQ43893	MINI SCREW,X2
415	LY30449-001C	WORM WHEEL
416	YQ44246	SLIT WASHER
417	LY40496-001C	ROTARY ENCODER
418	YQ43893	MINI SCREW
419	YQ44246	SLIT WASHER
420	LY40614-001B	GEAR HOLDER
421	YQ43893-6	MINI SCREW
422	LY30450-001C	MAIN CAM
423	LY30840-001A	BRAKE CTL PLATE
424	YQ43893	MINI SCREW
425	LY40373-001C	TC LEVER ASSY
426	LY30452-001G	SLIDE LEVER ASSY
427	LY30454-001A	CONNECT GEAR
428	YQ44246	SLIT WASHER
429	LY30455-001B	SUB CAM
430	YQ43893	MINI SCREW
431	LY30456-001F	PINCHROLLER ARM ASSY
432	YQ44246	SLIT WASHER
433	LY30459-001A	CHARGE ARM ASSY
434	YQ44246	SLIT WASHER
435	LY40387-001D	BC LEVER ASSY
436	LY40389-001D	R.D.PULLEY ASSY
437	YQ44246-2	SLIT WASHER
438	LY40391-001G	CENTER GEAR ASSY
439	LY40396-001A	TIMING BELT
440	LY40413-001A	COLLAR,X2
441	LY30468-001E	GUIDE ARM ASSY
442	LY30618-001C	SLIDE GUIDE PLATE ASSY
443	YQ43893-2	MINI SCREW
444	LY40420-001J	TENSION ARM ASSY
445	YQ44246	SLIT WASHER
446	LY30471-001D	PAD ARM ASSY
447	YQ44246	SLIT WASHER
448	LY40432-001H	IDLER ARM ASSY
449	YQ44246-2	SLIT WASHER
450	LY30476-001A	GUIDE PIN(S)
451	YQ43893	MINI SCREW
452	LY40441-001B	REEL DISK(SUPPLY)ASSY
453	YQ44246	SLIT WASHER
454	LY40443-001B	REEL DISK(TAKE-UP)ASSY
455	YQ44246	SLIT WASHER
456	LY30477-001F	CTL PLATE ASSY
457	YQ44246	SLIT WASHER,X2
458	LY40444-001E	LOADING BRAKE ASSY
459	YQ44246	SLIT WASHER
460	LY40452-001C	SUB BRAKE ASSY
461	YQ44246	SLIT WASHER
462	LY30479-001E	RELEASE GUIDE ASSY
463	YQ44246	SLIT WASHER
464	LY20146-001H	REEL COVER ASSY
465	YQ43893-4	MINI SCREW,X2
466	YQ43893	MINI SCREW
467	YQ44246	SLIT WASHER
468	YDV2086I	DRUM ASSY
469	YQ43893	MINI SCREW,X3
470	LY20138-001D	PWB HOLDER
471	YQ43893	MINI SCREW,X2
472	LY10082-001K	SLIDE DECK ASSY
473	LY30462-001B	LOADING GUIDE
474	YQ43893	MINI SCREW
475	YMA0025M	MECHA(A)ASSY
476	LY30016-0M1A	SPACER-A
478	LY30496-001T	DECK ASSY
480	LY41573-001A	WASHER

5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>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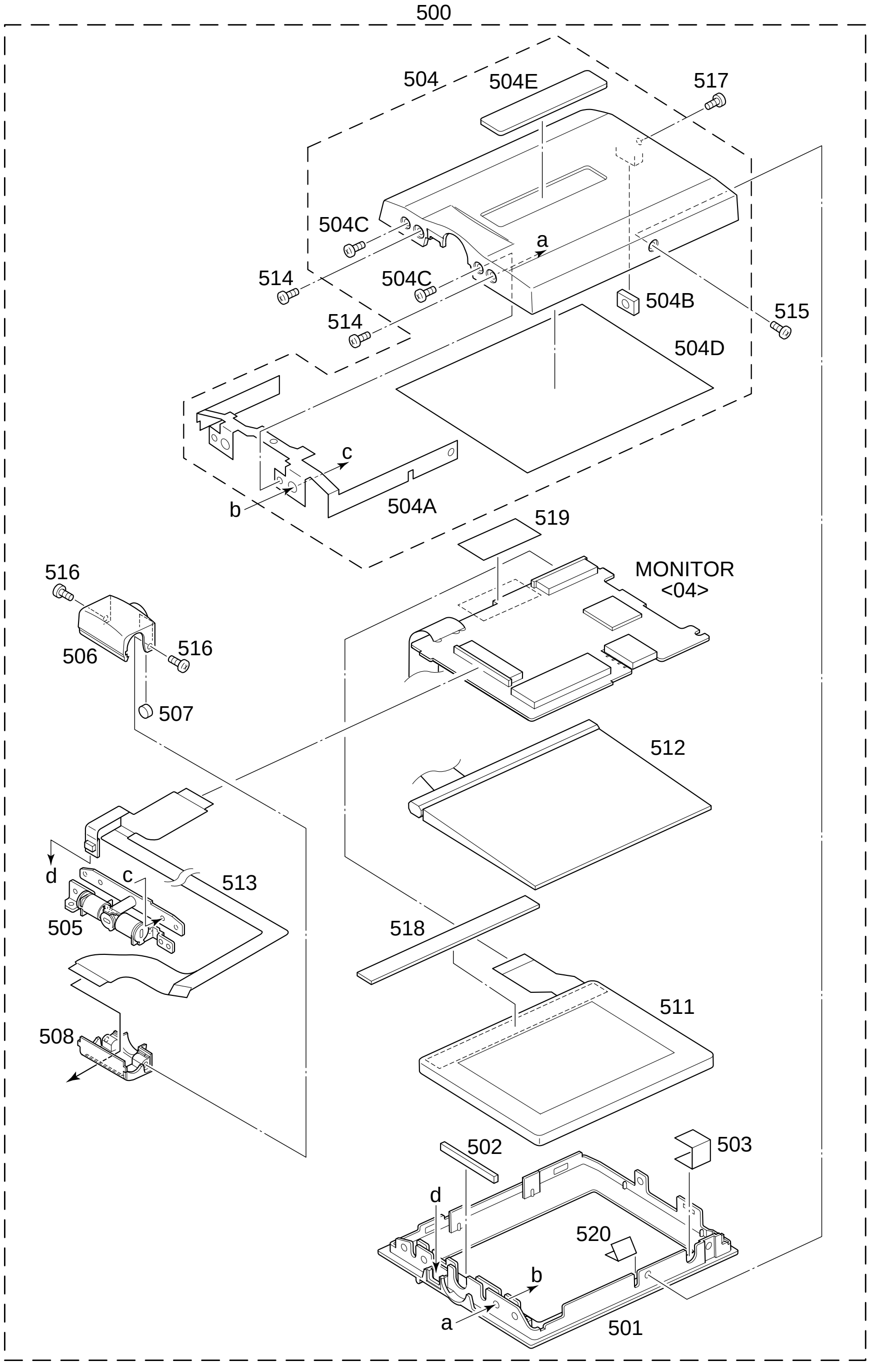
ELECTRONIC VIEWFINDER ASSEMBLY <M4>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
300	LY31749-001C	VF UNIT
301	PTY31749-001	EYE CUP
302	PTY31749-011	CASE/CAP ASSY
302A	PTY31749-012	CAP(VF)
302B	LY30029-027A	SCREW,X2
303	PTY31749-021	FRAME(VF)
304	PTY31749-031	GUIDE(VF)
305	PTY31749-015	LEVER(VF)
306	LY30018-037A	SCREW
307	LY30018-019A	SCREW
308	LY30018-055A	SCREW,X2
309	PTY31749-041	EYE PIECE SUB ASSY
310	PTY31749-051	HOLDER(LCD)
311	PTY31749-081	SCREW
312	QLD0117-001	LCD MODULE
313	PTY31749-061	B/L SUB ASSY
314	PTY31749-071	FFC

5.5 MONITOR ASSEMBLY <M5>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MONITOR ASSEMBLY <M5>

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	⚠	500	LYH20164-004C	MONITOR ASSY,A,B
	⚠		LYH20164-005B	MONITOR ASSY,C,D
	⚠		LYH20164-008A	MONITOR ASSY,E,F
		501	LY20584-001B	MONITOR CASE
		502	LY30029-046B	SPACER(A)
		503	LY30029-048A	SPACER(A)
	⚠	504	LY20585-004A	MONITOR COVER ASSY,C,D
	⚠		LY20585-006A	MONITOR COVER ASSY,A,B
	⚠		LY20585-008A	MONITOR COVER ASSY,E,F
		504A	LY31699-001A	BRACKET(MON.)
		504B	LY40162-001A	BKT
		504C	LY30018-057A	SPECIAL SCREW,X2
		504D	LY30029-047A	SPACER(A)
		504E	LY42295-001A	PLATE(MON.)
		505	LY31701-001B	HINGE ASSY
		506	LY31702-001A	HINGE COVER(U)
		507	LY40663-002A	MAGNET
		508	LY31703-001A	HINGE COVER(L)
		511	QLD0138-001	LCD MODULE
		512	QLL0087-001	BACK LIGHT
		513	LY31756-001A	FPC ASSY(MONI)
		514	LY30018-0B1A	SPECIAL SCREW,X2
		515	QYSPSPT1730R	SCREW
		516	LY30018-060A	SPECIAL SCREW,X2
		517	QYSPSPT1735R	SCREW
		518	LY30029-076A	SPACER(A)
		519	LY30029-093A	SPACER(A)
		520	LY30029-0A1A	SPACER(A)

5.6 ELECTRICAL PARTS LIST

MODEL	MARK	MODEL	MARK
GR-DVX8EG	A	GR-DVX9EK	D
GR-DVX8EK	B	GR-DVX10EG	E
GR-DVX9EG	C	GR-DVX10EK	F

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MAIN BOARD ASSEMBLY <01>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
PW	YB10284D-01	MAIN BOARD ASSY,C,D
	YB10284E-02	MAIN BOARD ASSY,A,B
	YB10284H-01	MAIN BOARD ASSY,E,F
IC1001	YQ44860A	CSP IC ASSY
IC1002	MB90097PFV133	IC(MICRO C ROM)
IC1003	NM25C160LZEM8	IC
	or X25170S8I-2.5-X	IC
	or X25330S8I-2.5-X	IC
	or AT25160N-10SC-X	IC
IC1004	RS5C314	IC
IC1005	TC7W08FK	IC
IC1006	TC7W04FK	IC
IC1008	TC7W66FK	IC
IC1009	TC7W08FK	IC
IC1101	TA75W01FU	IC
IC1401	YQ44872A	CSP IC ASSY
IC1402	TC7W14FK	IC
IC1403	TC7W66FK	IC
IC1405	TC4W53FU	IC
IC2701	SN74AHC1G66K	IC
IC2751	TC74HC4052AFT	IC
IC3001	JCY0106-2	IC
IC3002	M51V18165D-50LS	IC
IC3004	TC7SL00FU	IC(DIGITAL)
IC3005	SN74AHC1G04K	IC
IC3101	PDI1394P11AEC	IC
IC3201	JCY0107-2	IC
IC3202	TC7SH00FU	IC(DIGITAL)
IC3203	MM1385UN	IC
IC3301	JCY0108	IC
IC3501	AN3731FHQ	IC(DIGITAL)
IC3701	NJM2538V	IC
IC3702	MM1385HN	IC
IC3801	JCP8019	IC,E,F
IC3851	MM1504XN	IC,E,F
IC4201	HD49325BHF	IC
IC4202	RH5RZ31CA	IC
IC4301	YQ44827A	IC
IC4302	MM1385PN	IC
IC4303	SN74AHC1G08K	IC,E,F
IC4304	TC7WH123FK	IC,A,B,C,D
IC4305	TC7W04FK	IC,A,B,C,D
IC4401	M62366GP	IC
⚠ IC5001	JCY0138	IC
IC5002	MM1385DN	IC
IC5004	W194-70G-X	IC
IC6001	S-80842ANNP-W	IC
IC6002	S-81233SG-QF-X	IC
IC6003	S-81330HG-KB-X	IC
IC6004	S-80826ANNP-W	IC
IC6101	BD9712KU	IC
IC6401	MM1385XN	IC
IC6601	TC7W74FK	IC,C,D,E,F
	or TC7WH74FK	IC,C,D,E,F
IC8001	JCY0121-4	IC,C,D,E,F
IC8002	MSM56V16160D1LS	IC,C,D,E,F
IC8003	M32310D5WG	IC,C,D,E,F
IC8004	MBV800TA90PBA02	IC(MICRO C ROM),C,D
	MBV800TA90PBA08	IC(MICRO C ROM),E,F
IC8005	TC7S00FU	IC,C,D,E,F
	or SN74AHC1G00K	IC,C,D,E,F
IC8006	MM1385NN	IC,C,D,E,F
IC8007	MM1385EN	IC,C,D,E,F
IC8008	TC7WHU04FK	IC,C,D,E,F
IC8009	TC7WH34FK	IC,C,D,E,F
IC8101	TMS320DA050-G	IC,C,D,E,F
IC8102	TC7MA2244FK	IC,C,D,E,F
IC8103	TC7S04FU	IC,C,D,E,F
Q1401	DTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
Q1402	UMC3N	TRANSISTOR
Q1403	UMC3N	TRANSISTOR
Q1405	DTC143EE	TRANSISTOR
Q1406	2SC4738FT/G/-X	TRANSISTOR
Q1407	DTC124EE	TRANSISTOR
Q1408	RN1104FT	TRANSISTOR
Q2701	RN1104FT	TRANSISTOR
Q2703	2SC4738FT/G/-X	TRANSISTOR
Q2704	2SC4738FT/G/-X	TRANSISTOR
Q2705	2SC4738FT/G/-X	TRANSISTOR
Q2751	RN1104FT	TRANSISTOR
Q2752	2SA1832FT/G/-X	TRANSISTOR
Q2753	2SA1832FT/G/-X	TRANSISTOR
Q2754	2SC4738FT/G/-X	TRANSISTOR
Q2755	UMX1N	PAIR TRANSISTOR
Q2756	2SA1832FT/G/-X	TRANSISTOR
Q2757	RN2104FT	TRANSISTOR
Q2758	RN1104FT	TRANSISTOR
Q2759	RN1104FT	TRANSISTOR
Q2760	2SC4738FT/G/-X	TRANSISTOR
Q3501	2SC4226/4/-X	TRANSISTOR
Q3502	2SD1979/S/-X	TRANSISTOR
Q3503	2SD1979/S/-X	TRANSISTOR
Q3504	2SC4226/4/-X	TRANSISTOR
Q3551	2SA1577/QR/-X	TRANSISTOR
Q3552	RN1104FT	TRANSISTOR
Q3701	RN1104FT	TRANSISTOR
Q3705	2SC4738FT/G/-X	TRANSISTOR,E,F
Q3706	RN1104FT	TRANSISTOR,E,F
Q3707	UMT2N	PAIR TRANSISTOR
Q3708	2SA1832FT/G/-X	TRANSISTOR
Q3709	2SA1832FT/G/-X	TRANSISTOR
Q3710	2SA1832FT/G/-X	TRANSISTOR
Q3711	2SC4738FT/G/-X	TRANSISTOR
Q3712	UMA2N	TRANSISTOR
Q3713	RN1104FT	TRANSISTOR
Q3714	RN1104FT	TRANSISTOR,E,F
Q3731	2SA1832FT/G/-X	TRANSISTOR
Q3801	HN1B04FU/YG/-X	PAIR TRANSISTOR,E,F
Q3851	UMC4N	TRANSISTOR,E,F
Q3852	HN1B04FU/YG/-X	PAIR TRANSISTOR,E,F
Q3853	2SC4738FT/G/-X	TRANSISTOR,E,F
Q3855	2SA1832FT/G/-X	TRANSISTORE,F
Q3856	HN2C01FU/YG/-X	PAIR TRANSISTOR,E,F
Q3857	HN1B04FU/YG/-X	PAIR TRANSISTOR,E,F
Q3858	DTC114EE	TRANSISTOR,E,F
Q4351	2SA1832FT/G/-X	TRANSISTOR
Q4352	UMT2N	PAIR TRANSISTOR

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
Q4353	UMT2N	PAIR TRANSISTOR	
Q4354	2SA1832FT/G/-X	TRANSISTOR	
Q6001	2SJ501	MOS FET	
Q6002	2SK3019	MOS FET	
	or 2SK1830	MOS FET	
Q6003	2SJ347	MOS FET	
Q6004	2SK3019	MOS FET	
	or 2SK1830	MOS FET	
Q6005	RN1104FT	TRANSISTOR	
Q6006	2SJ501	MOS FET	
Q6007	RN47A3	TRANSISTOR	
Q6103	NDS352AP	MOS FET	
Q6104	NDS352AP	MOS FET	
Q6105	NDS352AP	MOS FET	
Q6106	NDS352AP	MOS FET	
Q6107	NDS352AP	MOS FET	
Q6108	NDS352AP	MOS FET	
Q6109	NDS351AN	MOS FET	
Q6110	NDS352AP	MOS FET	
Q6112	NDS352AP	MOS FET	
Q6113	NDS351AN	MOS FET	
Q6201	HN1C01FU/G/-X	PAIR TRANSISTOR	
Q6202	2SA1577/QR/-X	TRANSISTOR	
Q6203	2SC4617/QR/-X	TRANSISTOR	
Q6204	HN1A01FU/G/-X	PAIR TRANSISTOR	
Q6205	2SC4617/QR/-X	TRANSISTOR	
Q6206	2SA1774/QR/-X	TRANSISTOR	
Q6207	DTC144EE	TRANSISTOR	
Q6601	RN1104FT	TRANSISTOR,C,D,E,F	
Q6602	2SA1873/YG/-X	PAIR TRANSISTOR,C,D,E,F	
Q6611	2SA1832FT/G/-X	TRANSISTOR,C,D,E,F	
Q6612	2SA1873/YG/-X	PAIR TRANSISTOR,C,D,E,F	
Q6613	2SC4738FT/G/-X	TRANSISTOR,C,D,E,F	
Q6614	RN1702	TRANSISTOR,C,D,E,F	
Q6615	UMC4N	TRANSISTOR,C,D,E,F	
D1002	1SS357	SB DIODE	
D1401	DA221	DIODE	
D2751	DAN222	DIODE	
D2752	DA221	DIODE	
D2753	DA221	DIODE	
D4101	1SS355	DIODE	
⚠ D6001	RB706D-40-X	SB DIODE	
D6002	RB715F	SB DIODE	
D6101	EP10LA03	SB DIODE	
D6102	EP10LA03	SB DIODE	
D6103	EP10LA03	SB DIODE	
D6106	EP10LA03	SB DIODE	
D6107	EP10LA03	SB DIODE	
D6108	EP10LA03	SB DIODE	
D6109	EP10LA03	SB DIODE	
D6201	1SS383	SB DIODE	
D6202	1SS383	SB DIODE	
D6203	MA8091/L/-X	ZENER DIODE	
R1002	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1003	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1004	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1005	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1006	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1007	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1009	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R1010	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1011	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1012	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R1013	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1015	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1016	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1017	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1018	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R1019	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1020	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R1021	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1023	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1024	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1025	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1028	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1030	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1031	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1032	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1033	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1034	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1035	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1036	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1038	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1039	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1040	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1041	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1042	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1043	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1044	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1045	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1047	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
R1048	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1050	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1053	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1054	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1055	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R1056	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R1058	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1063	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1064	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1067	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1068	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1080	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1082	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1084	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1087	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1101	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R1106	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1108	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1109	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1401	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1402	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1403	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1404	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1408	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1409	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1410	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1411	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1412	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1415	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1417	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1418	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R1419	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R1420	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1422	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1423	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1424	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1425	NRSA6AJ-753W	MG RESISTOR	75kΩ,1/16W
R1426	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
R1427	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1428	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1429	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1430	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1431	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R1432	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1433	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R1434	NRSA63J-101X	MG RESISTOR	100Ω,1/16W
R1436	NRSA63J-820X	MG RESISTOR	82Ω,1/16W
R1438	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1439	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1440	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1441	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1442	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1443	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1444	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1447	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1448	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1449	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1450	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1451	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R1452	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
R1453	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1454	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
R1455	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
R1456	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1457	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R1458	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R1459	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1460	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1461	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1462	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1463	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1464	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1465	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1466	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
R1469	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1470	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1471	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1472	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1474	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1478	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R1480	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R1481	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R1482	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R1483	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1484	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R1485	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1486	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1487	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1488	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R1489	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1490	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R1491	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R1495	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R1496	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R1497	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R1498	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1499	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R2701	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R2702	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2705	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2706	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2709	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R2710	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2711	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2712	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2713	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R2714	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R2716	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2719	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2721	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2722	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2725	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2751	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W
R2752	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W
R2753	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2754	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2755	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2756	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2757	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2758	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2759	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2760	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2764	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2766	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2767	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2768	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2769	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R2770	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2771	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2772	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2773	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2774	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3001	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3002	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3003	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3004	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R3006	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3007	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3008	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3010	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3012	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3014	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R3015	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R3016	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3017	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R3018	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3019	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3021	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R3022	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3024	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3026	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3031	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3032	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R3033	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3036	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3037	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3038	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3039	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3040	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3041	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3101	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R3102	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3103	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R3104	NRSA6AJ-394W	MG RESISTOR	390kΩ,1/16W
R3105	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3106	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3107	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R3108	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R3109	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R3110	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R3111	NRSA6AJ-512W	MG RESISTOR	5.1kΩ,1/16W
R3112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3113	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
R3114	NRSA6AJ-512W	MG RESISTOR	5.1kΩ,1/16W
R3201	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3202	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3203	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R3204	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R3208	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W
R3209	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3211	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3303	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R3305	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R3306	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
R3308	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3310	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3312	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3315	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3316	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3317	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3318	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R3319	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3320	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3322	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3323	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R3324	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3325	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3326	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3327	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3328	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R3329	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3330	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R3331	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R3332	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R3333	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R3334	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3335	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R3336	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3337	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3338	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R3339	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R3340	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R3341	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3342	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3344	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3349	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3350	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3351	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3352	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R3353	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R3502	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3503	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3504	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3505	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3506	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3507	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R3508	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3509	NRSA6AJ-181W	MG RESISTOR	180Ω,1/16W
R3510	NRSA6AJ-181W	MG RESISTOR	180Ω,1/16W
R3511	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3512	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R3513	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3514	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3515	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3516	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3517	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3551	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R3552	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3554	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3555	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3556	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3701	NRSA6AJ-225W	MG RESISTOR	2.2MΩ,1/16W
R3702	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3703	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3704	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R3705	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R3706	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R3707	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3708	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3709	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3710	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3711	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3712	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3713	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3714	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3718	NRSA6AJ-101W	MG RESISTOR,E,F	100Ω,1/16W
R3719	NRSA6AJ-472W	MG RESISTOR,E,F	4.7kΩ,1/16W
R3720	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3721	NRSA6AJ-203W	MG RESISTOR	20kΩ,1/16W
R3722	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3723	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3724	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3725	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3726	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3727	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3728	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R3731	NRVA6AD-681W	CMF RESISTOR	680Ω,1/16W
R3732	NRVA6AD-472W	CMF RESISTOR	4.7kΩ,1/16W
R3733	NRVA6AD-332W	CMF RESISTOR	3.3kΩ,1/16W
R3734	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R3801	NRSA6AJ-101W	MG RESISTOR,E,F	100Ω,1/16W
R3802	NRSA6AJ-103W	MG RESISTOR,E,F	10kΩ,1/16W
R3803	NRSA6AJ-103W	MG RESISTOR,E,F	10kΩ,1/16W
R3804	NRSA6AJ-101W	MG RESISTOR,E,F	100Ω,1/16W
R3805	NRSA6AJ-472W	MG RESISTOR,E,F	4.7kΩ,1/16W
R3806	NRSA6AJ-103W	MG RESISTOR,E,F	10kΩ,1/16W
R3809	NRVA6AD-681W	CMF RESISTOR,E,F	680Ω,1/16W
R3810	NRVA6AD-102W	CMF RESISTOR,E,F	1kΩ,1/16W
R3811	NRVA6AD-153W	CMF RESISTOR,E,F	15kΩ,1/16W
R3812	NRVA6AD-123W	CMF RESISTOR,E,F	12kΩ,1/16W
R3813	NRSA6AJ-222W	MG RESISTOR,E,F	2.2kΩ,1/16W
R3814	NRVA6AD-820W	CMF RESISTOR,E,F	82Ω,1/16W
R3851	NRVA6AD-102W	CMF RESISTOR,E,F	1kΩ,1/16W
R3852	NRSA6AJ-273W	MG RESISTOR,E,F	27kΩ,1/16W
R3853	NRVA6AD-112W	CMF RESISTOR,E,F	1.1kΩ,1/16W
R3854	NRSA6AJ-223W	MG RESISTOR,E,F	22kΩ,1/16W
R3855	NRSA6AJ-223W	MG RESISTOR,E,F	22kΩ,1/16W
R3856	NRSA6AJ-681W	MG RESISTOR,E,F	680Ω,1/16W
R3857	NRSA6AJ-821W	MG RESISTOR,E,F	820Ω,1/16W
R3858	NRSA6AJ-821W	MG RESISTOR,E,F	820Ω,1/16W
R3859	NRSA6AJ-102W	MG RESISTOR,E,F	1kΩ,1/16W
R3861	NRVA6AD-102W	CMF RESISTOR,E,F	1kΩ,1/16W
R3863	NRVA6AD-112W	CMF RESISTOR,E,F	1.1kΩ,1/16W
R3869	NRSA6AJ-102W	MG RESISTOR,E,F	1kΩ,1/16W
R3870	NRSA6AJ-471W	MG RESISTOR,E,F	470Ω,1/16W
R3871	NRSA6AJ-332W	MG RESISTOR,E,F	3.3kΩ,1/16W
R3873	NRSA6AJ-102W	MG RESISTOR,E,F	1kΩ,1/16W
R3874	NRSA6AJ-332W	MG RESISTOR,E,F	3.3kΩ,1/16W
R3875	NRSA6AJ-0R0W	MG RESISTOR,E,F	0Ω,1/16W
R3876	NRSA6AJ-0R0W	MG RESISTOR,E,F	0Ω,1/16W
R4101	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R4208	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R4209	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4211	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4212	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4213	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4214	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4215	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4216	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4217	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4218	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4219	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4220	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4302	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
R4303	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4304	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4305	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4306	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4308	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D	0Ω,1/16W
R4310	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4313	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4314	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4315	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4316	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4317	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4318	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4320	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4321	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4322	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R4323	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R4327	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R4328	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4329	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4334	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4335	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4336	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4338	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R4339	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4340	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4341	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4342	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4345	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4347	NRSA6AJ-123W	MG RESISTOR,A,B,C,D	12kΩ,1/16W
R4348	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R4351	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D	0Ω,1/16W
R4352	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D	0Ω,1/16W
R4353	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D	0Ω,1/16W
R4354	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D	0Ω,1/16W
R4355	NRVA6AD-333W	CMF RESISTOR,A,B,C,D	33kΩ,1/16W
R4356	NRSA6AJ-272W	MG RESISTOR,E,F	2.7kΩ,1/16W
	NRVA6AD-333W	CMF RESISTOR,A,B,C,D	33kΩ,1/16W
R4358	NRSA6AJ-272W	MG RESISTOR,E,F	2.7kΩ,1/16W
	NRVA6AD-163W	CMF RESISTOR,A,B,C,D	16kΩ,1/16W
R4359	NRVA6AD-363W	CMF RESISTOR,A,B,C,D	36kΩ,1/16W
R4360	NRSA6AJ-272W	MG RESISTOR,E,F	2.7kΩ,1/16W
	NRVA6AD-163W	CMF RESISTOR,A,B,C,D	16kΩ,1/16W
R4361	NRVA6AD-333W	CMF RESISTOR,A,B,C,D	33kΩ,1/16W
R4362	NRSA6AJ-272W	MG RESISTOR,E,F	2.7kΩ,1/16W
	NRVA6AD-163W	CMF RESISTOR,A,B,C,D	16kΩ,1/16W
R4363	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R4364	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R4365	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4367	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4369	NRVA6AD-101W	CMF RESISTOR,E,F	100Ω,1/16W
	NRVA6AD-181W	CMF RESISTOR,A,B,C,D	180Ω,1/16W
R4370	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4371	NRVA6AD-680W	CMF RESISTOR,A,B,C,D	68Ω,1/16W
	NRVA6AD-750W	CMF RESISTOR,E,F	75Ω,1/16W
R4372	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R4373	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R4374	NRVA6AD-560W	CMF RESISTOR	56Ω,1/16W
R4375	NRVA6AD-271W	CMF RESISTOR	270Ω,1/16W
R4376	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R4377	NRVA6AD-270W	CMF RESISTOR	27Ω,1/16W
R4378	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R4379	NRSA6AJ-333W	MG RESISTOR,E,F	33kΩ,1/16W
	NRVA6AD-273W	CMF RESISTOR,A,B,C,D	27kΩ,1/16W
R4381	NRSA6AJ-333W	MG RESISTOR,E,F	33kΩ,1/16W
	NRVA6AD-273W	CMF RESISTOR,A,B,C,D	27kΩ,1/16W
R4382	NRSA6AJ-333W	MG RESISTOR,E,F	33kΩ,1/16W
	NRVA6AD-273W	CMF RESISTOR,A,B,C,D	27kΩ,1/16W
R4383	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4384	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4385	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4386	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4387	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4388	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4389	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R4390	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R5005	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R5006	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R5007	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R5009	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R5010	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R5011	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R5012	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R5013	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R5014	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R5015	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R5016	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R5018	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R5020	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R5021	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R5022	NRSA6AJ-121W	MG RESISTOR,A,B,E,F	120Ω,1/16W
		NRSA6AJ-181W	MG RESISTOR,C,D	180Ω,1/16W
	R5024	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R5025	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R5026	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R5027	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R5028	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R6001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6002	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
	R6003	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R6005	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
	R6006	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6007	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6009	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R6010	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6011	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6012	NRVA6AD-823W	CMF RESISTOR	82kΩ,1/16W
	R6013	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
⚠	R6017	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R6018	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
	R6019	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R6101	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
	R6102	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
	R6103	NRVA6AD-273W	CMF RESISTOR	27kΩ,1/16W
	R6104	NRVA6AD-302W	CMF RESISTOR	3kΩ,1/16W
	R6105	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6106	NRVA6AD-242W	CMF RESISTOR	2.4kΩ,1/16W
	R6107	NRVA6AD-432W	CMF RESISTOR	4.3kΩ,1/16W
	R6109	NRVA6AD-822W	CMF RESISTOR	8.2kΩ,1/16W
	R6110	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6111	NRVA6AD-243W	CMF RESISTOR	24kΩ,1/16W
	R6112	NRVA6AD-182W	CMF RESISTOR	1.8kΩ,1/16W
	R6114	NRVA6AD-243W	CMF RESISTOR	24kΩ,1/16W
	R6115	NRVA6AD-302W	CMF RESISTOR	3kΩ,1/16W
	R6117	NRVA6AD-512W	CMF RESISTOR	5.1kΩ,1/16W
	R6118	NRVA6AD-472W	CMF RESISTOR	4.7kΩ,1/16W
	R6120	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
	R6122	NRVA6AD-623W	CMF RESISTOR	62kΩ,1/16W
	R6123	NRVA63D-682X	CMF RESISTOR	6.8kΩ,1/16W
	R6124	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
	R6125	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6126	NRVA63D-682X	CMF RESISTOR	6.8kΩ,1/16W
	R6127	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
	R6128	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
	R6129	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6131	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
	R6132	NRVA6AD-302W	CMF RESISTOR	3kΩ,1/16W
	R6134	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
	R6135	NRVA6AD-102W	CMF RESISTOR	1kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R6136	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
	R6138	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
	R6139	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
	R6140	NRVA6AD-302W	CMF RESISTOR	3kΩ,1/16W
	R6142	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
	R6143	NRVA6AD-682W	CMF RESISTOR	6.8kΩ,1/16W
	R6144	NRVA6AD-392W	CMF RESISTOR	3.9kΩ,1/16W
	R6146	NRVA6AD-472W	CMF RESISTOR	4.7kΩ,1/16W
	R6147	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω,1/16W
	R6148	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω,1/16W
	R6151	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω,1/16W
	R6152	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω,1/16W
	R6155	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R6156	NRSA6AJ-4R7W	MG RESISTOR	4.7Ω,1/16W
	R6157	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R6158	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R6159	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R6163	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R6171	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R6201	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R6202	NRVA6AD-273W	CMF RESISTOR	27kΩ,1/16W
	R6203	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
	R6204	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6205	NRVA6AD-823W	CMF RESISTOR	82kΩ,1/16W
	R6206	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6207	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R6209	NRVA6AD-563W	CMF RESISTOR	56kΩ,1/16W
	R6210	NRVA6AD-683W	CMF RESISTOR	68kΩ,1/16W
	R6211	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
	R6212	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
	R6213	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
	R6214	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R6215	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R6216	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
	R6217	NRVA6AD-823W	CMF RESISTOR	82kΩ,1/16W
	R6301	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
	R6601	NRSA6AJ-822W	MG RESISTOR,C,D,E,F	8.2kΩ,1/16W
	R6603	NRVA6AD-683W	CMF RESISTOR,C,D,E,F	68kΩ,1/16W
	R6604	NRVA6AD-104W	CMF RESISTOR,C,D,E,F	100kΩ,1/16W
	R6605	NRSA6AJ-184W	MG RESISTOR,C,D,E,F	180kΩ,1/16W
	R6606	NRSA6AJ-823W	MG RESISTOR,C,D,E,F	82kΩ,1/16W
	R6611	NRSA6AJ-335W	MG RESISTOR,C,D,E,F	3.3MΩ,1/16W
	R6612	NRSA6AJ-474W	MG RESISTOR,C,D,E,F	470kΩ,1/16W
	R6613	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
	R6614	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
	R6615	NRSA6AJ-684W	MG RESISTOR,C,D,E,F	680kΩ,1/16W
	R6616	NRSA6AJ-333W	MG RESISTOR,C,D,E,F	33kΩ,1/16W
	R8001	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8002	NRSA6AJ-101W	MG RESISTOR,C,D,E,F	100Ω,1/16W
	R8003	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
	R8004	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8011	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
	R8012	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8015	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8016	NRVA6AD-133W	CMF RESISTOR,C,D,E,F	13kΩ,1/16W
	R8017	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8018	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
	R8021	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8022	NRSA6AJ-101W	MG RESISTOR,C,D,E,F	100Ω,1/16W
	R8023	NRSA6AJ-101W	MG RESISTOR,C,D,E,F	100Ω,1/16W
	R8049	NRSA6AJ-105W	MG RESISTOR,C,D,E,F	1MΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R8050	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8051	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8064	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8065	NRSA6AJ-101W	MG RESISTOR,C,D,E,F	100Ω,1/16W
R8069	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8076	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
R8077	NRSA6AJ-101W	MG RESISTOR,C,D,E,F	100Ω,1/16W
R8101	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8102	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8104	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8105	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8106	NRSA6AJ-221W	MG RESISTOR,C,D,E,F	220Ω,1/16W
R8107	NRSA6AJ-221W	MG RESISTOR,C,D,E,F	220Ω,1/16W
R8108	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8109	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8110	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8111	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8112	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8113	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8115	NRSA6AJ-221W	MG RESISTOR,C,D,E,F	220Ω,1/16W
R8116	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8117	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8118	NRSA6AJ-221W	MG RESISTOR,C,D,E,F	220Ω,1/16W
R8119	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R8120	NRSA6AJ-221W	MG RESISTOR,C,D,E,F	220Ω,1/16W
R8121	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8122	NRSA6AJ-105W	MG RESISTOR,C,D,E,F	1MΩ,1/16W
R8124	NRSA6AJ-472W	MG RESISTOR,C,D,E,F	4.7kΩ,1/16W
R8128	NRSA6AJ-472W	MG RESISTOR,C,D,E,F	4.7kΩ,1/16W
R8129	NRSA6AJ-105W	MG RESISTOR,C,D,E,F	1MΩ,1/16W
R8130	NRSA6AJ-101W	MG RESISTOR,C,D,E,F	100Ω,1/16W
R8131	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8132	NRSA6AJ-680W	MG RESISTOR,C,D,E,F	68Ω,1/16W
R8133	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8134	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R8135	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
RA1001	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1002	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1003	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1004	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1005	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ
RA1402	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1403	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1404	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1405	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA4301	NRZ0034-221W	NETWORK RESISTOR,C,D,E,F	220Ω
RA4302	NRZ0034-221W	NETWORK RESISTOR,C,D,E,F	220Ω
RA4303	NRZ0034-221W	NETWORK RESISTOR,C,D,E,F	220Ω
RA4304	NRZ0034-221W	NETWORK RESISTOR,C,D,E,F	220Ω
RA4307	NRZ0034-221W	NETWORK RESISTOR	220Ω
RA4308	NRZ0034-221W	NETWORK RESISTOR	220Ω
RA8001	NRZ0034-100W	NETWORK RESISTOR,C,D,E,F	10Ω
RA8002	NRZ0034-100W	NETWORK RESISTOR,C,D,E,F	10Ω
RA8003	NRZ0034-100W	NETWORK RESISTOR,C,D,E,F	10Ω
RA8004	NRZ0034-100W	NETWORK RESISTOR,C,D,E,F	10Ω
C1003	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1005	NDCA1HJ-330W	CAPACITOR	33pF,50V
C1006	NDCA1HJ-150W	CAPACITOR	15pF,50V
C1007	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1008	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1009	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1010	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1011	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1012	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1013	NDCA1HJ-130W	CAPACITOR	13pF,50V
C1015	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1017	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1019	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1020	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1022	NBM90JM-226X	T CAPACITOR	22μF,6.3V
C1023	NBM90JM-226X	T CAPACITOR	22μF,6.3V
C1101	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1102	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1103	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1111	NCB30JK-105X	CAPACITOR	1μF,6.3V
C1112	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1113	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1401	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1402	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1403	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1405	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1406	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1408	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1409	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1410	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1411	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1412	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1413	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1414	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1415	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1416	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1420	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1421	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1422	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1423	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1424	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1425	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1426	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1427	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1428	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1429	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1430	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1431	NCB30JK-105X	CAPACITOR	1μF,6.3V
C1440	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1441	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2704	NCB31CK-473X	CAPACITOR	0.047μF,16V
C2705	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2751	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2752	PECA1172	E CAPACITOR	47μF,6.3V
C2753	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2754	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2756	NCB31HK-102X	CAPACITOR	0.001μF,50V
C2757	NCB31HK-822X	CAPACITOR	0.0082μF,50V
C2758	NBE81AM-106X	T CAPACITOR	10μF,10V
C2762	NCF31AZ-105X	CAPACITOR	1μF,10V
C2763	NBE40JM-476X	T CAPACITOR	47μF,6.3V
C2764	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2765	NDCA1HJ-101W	CAPACITOR	100pF,50V
C3001	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C3003	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3004	NBE90JM-106X	T CAPACITOR	10μF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3005	NDCA1HJ-8R0W	CAPACITOR	8pF,50V
C3006	NDCA1HJ-8R0W	CAPACITOR	8pF,50V
C3007	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3010	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3011	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3012	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3013	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3014	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3015	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3016	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3017	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3018	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3019	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3021	NCB21CK-474X	CAPACITOR	0.47µF,16V
C3032	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3041	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3042	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3046	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3047	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3101	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3104	NDCA1EJ-271W	CAPACITOR	270pF,25V
C3105	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3106	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3107	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3108	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3109	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3110	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3111	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3112	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3201	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3202	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3203	NBZ0001-106X	T CAPACITOR	10µF
C3205	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3206	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3207	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3208	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3209	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3210	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3211	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3212	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3213	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3214	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3215	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3216	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3217	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3218	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3221	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3222	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3301	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3302	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3303	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3304	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3305	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3306	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3308	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3309	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3310	NDCA1HJ-151W	CAPACITOR	150pF,50V
C3311	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3312	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3313	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3314	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3315	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3316	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C3317	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3318	NCBA1AK-683W	CAPACITOR	0.068µF,10V
C3319	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C3320	NCBA1AK-333W	CAPACITOR	0.033µF,10V
C3321	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3322	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3324	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3325	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3326	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3327	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3328	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3329	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3330	NDCA1HJ-100W	CAPACITOR	10pF,50V
C3331	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3332	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3501	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3502	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3503	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3504	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3505	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3506	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C3507	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3508	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3509	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3510	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3511	NDCA1HJ-220W	CAPACITOR	22pF,50V
C3512	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3513	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3514	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3515	NDCA1HJ-220W	CAPACITOR	22pF,50V
C3516	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3517	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3518	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3519	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3520	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C3521	NCBA1HK-122W	CAPACITOR	0.0012µF,50V
C3522	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3523	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3524	NDCA1HJ-470W	CAPACITOR	47pF,50V
C3525	NCBA1HK-681W	CAPACITOR	680pF,50V
C3526	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3527	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3528	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3529	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3551	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C3552	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3702	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3703	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3704	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3705	NBE40GM-107X	T CAPACITOR	100µF,4.0V
C3706	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C3707	NBZ0002-227X	T CAPACITOR	220µF
C3708	NBZ0002-227X	T CAPACITOR	220µF
C3709	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3710	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3711	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3712	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
	NRSA6AJ-0R0W	MG RESISTOR,A,B,C,D	0Ω,1/16W
C3713	NCBA1CK-103W	CAPACITOR	0.01µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3714	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3715	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3717	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3721	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C3722	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3723	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C3724	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3731	NDCA1HJ-120W	CAPACITOR	12pF,50V
C3732	NDCA1HJ-150W	CAPACITOR	15pF,50V
C3733	NDCA1HJ-470W	CAPACITOR	47pF,50V
C3734	NDCA1HJ-390W	CAPACITOR	39pF,50V
C3735	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3736	NCB31CK-104X	CAPACITOR	0.1µF,16V
C3801	NBE90JM-106X	T CAPACITOR,E,F	10µF,6.3V
C3802	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3803	NBE90JM-106X	T CAPACITOR,E,F	10µF,6.3V
C3804	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3805	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3806	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3807	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3808	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3809	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3811	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3812	NBE90JM-106X	T CAPACITOR,E,F	10µF,6.3V
C3813	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3815	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3816	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3817	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3818	NBE90JM-106X	T CAPACITOR,E,F	10µF,6.3V
C3819	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3820	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3821	NCBA1AK-104W	CAPACITOR,E,F	0.1µF,10V
C3822	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3823	NDCA1HJ-680W	CAPACITOR,E,F	68pF,50V
C3824	NDCA1HJ-680W	CAPACITOR,E,F	68pF,50V
C3851	NBE20JM-226X	T CAPACITOR,E,F	22µF,6.3V
C3852	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3853	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3855	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3856	NCB30JK-105X	CAPACITOR,E,F	1µF,6.3V
C3857	NCB30JK-105X	CAPACITOR,E,F	1µF,6.3V
C3858	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C3861	NCB20JK-225X	CAPACITOR,E,F	2.2µF,6.3V
C3862	NCBA1CK-103W	CAPACITOR,E,F	0.01µF,16V
C4101	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4102	NBP41EM-475X	T CAPACITOR	4.7µF,25V
C4103	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4104	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4105	NBE41AM-476X	T CAPACITOR	47µF,10V
C4106	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4107	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4109	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4111	NBP21VM-105X	T CAPACITOR	1µF,35V
C4201	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C4202	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C4203	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4204	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4205	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C4207	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4208	NBE41AM-476X	T CAPACITOR	47µF,10V
C4209	NBE41AM-476X	T CAPACITOR	47µF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4210	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4211	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C4212	NBP41DM-106X	T CAPACITOR	10µF,20V
C4215	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4216	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4217	NCBA1CK-123W	CAPACITOR	0.012µF,16V
C4218	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4219	NCB30JK-474X	CAPACITOR	0.47µF,6.3V
C4220	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4221	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4222	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4223	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4224	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4225	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4226	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4227	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4228	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4229	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4230	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4231	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4233	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4301	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4302	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4303	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4304	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4305	NBE90JM-106X	T CAPACITOR,A,B,C,D	10µF,6.3V
C4306	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4307	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4308	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4309	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4310	NBG40GM-226X	T CAPACITOR	22µF,4.0V
C4312	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4313	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4315	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4316	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4317	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4318	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4319	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4320	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4321	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4323	NCBA1AK-104W	CAPACITOR,A,B,C,D	0.1µF,10V
C4324	NCBA1HK-331W	CAPACITOR,A,B,C,D	330pF,50V
C4351	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4352	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4353	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4355	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4357	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4359	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4361	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4362	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4363	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4364	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4365	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4401	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C4402	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C5001	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5002	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5003	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C5004	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5005	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5006	NCBA1AK-104W	CAPACITOR	0.1µF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C5007	NCB30JK-105X	CAPACITOR	1μF,6.3V
C5008	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C5009	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5011	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5012	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5013	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5014	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C5017	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5018	NCB30JK-105X	CAPACITOR	1μF,6.3V
C5019	NCB30JK-105X	CAPACITOR	1μF,6.3V
C5214	NBE41AM-476X	T CAPACITOR	47μF,10V
C5215	NBE41AM-476X	T CAPACITOR	47μF,10V
C5216	NBE41AM-476X	T CAPACITOR	47μF,10V
C5217	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C5218	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5219	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5220	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C5221	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C6001	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6002	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6003	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6004	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C6005	NBP21CM-685X	T CAPACITOR	6.8μF,16V
C6006	NCF31AZ-105X	CAPACITOR	1μF,10V
C6007	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C6008	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6009	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6101	NCB31AK-474X	CAPACITOR	0.47μF,10V
C6102	NCB31AK-224X	CAPACITOR	0.22μF,10V
C6103	NCB31CK-104X	CAPACITOR	0.1μF,16V
C6104	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6106	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6108	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6110	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6112	NCB31AK-224X	CAPACITOR	0.22μF,10V
C6114	NDCA1HJ-100W	CAPACITOR	10pF,50V
C6115	NDCA1HJ-121W	CAPACITOR	120pF,50V
C6116	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6117	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6118	NBP41CM-106X	T CAPACITOR	10μF,16V
C6119	NCB31EK-103X	CAPACITOR	0.01μF,25V
C6120	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6122	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6124	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6126	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C6128	NCB21AK-105X	CAPACITOR	1μF,10V
C6129	NCB21AK-105X	CAPACITOR	1μF,10V
C6130	NCB21AK-105X	CAPACITOR	1μF,10V
C6131	NCB21AK-105X	CAPACITOR	1μF,10V
C6132	NBG41AM-106X	T CAPACITOR	10μF,10V
C6133	NCB21AK-105X	CAPACITOR	1μF,10V
C6134	NCB11AK-225X-A	CAPACITOR	2.2μF,10V
C6135	NCB21AK-105X	CAPACITOR	1μF,10V
C6136	NCB11AK-475X	CAPACITOR	4.7μF,10V
C6138	NCB21AK-105X	CAPACITOR	1μF,10V
C6145	NCB21AK-105X	CAPACITOR	1μF,10V
C6146	NBG41AM-106X	T CAPACITOR	10μF,10V
C6147	NBG41AM-106X	T CAPACITOR	10μF,10V
C6148	NCB11AK-475X	CAPACITOR	4.7μF,10V
C6150	NCB21AK-105X	CAPACITOR	1μF,10V
C6151	NCB10JK-106X	CAPACITOR	10μF,6.3V
C6153	NCB21AK-105X	CAPACITOR	1μF,10V
C6154	NCB10JK-106X	CAPACITOR	10μF,6.3V
C6156	NCB21AK-105X	CAPACITOR	1μF,10V
C6157	NCB11AK-475X	CAPACITOR	4.7μF,10V
C6158	NCB20JK-225X	CAPACITOR	2.2μF,6.3V
C6159	NCB20JK-225X	CAPACITOR	2.2μF,6.3V
C6163	NCB21AK-105X	CAPACITOR	1μF,10V
C6201	NCB21CK-105X	CAPACITOR	1μF,16V
C6202	NCB11EK-105X	CAPACITOR	1μF,25V
C6203	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6204	NCB21CK-105X	CAPACITOR	1μF,16V
C6205	NCB21CK-105X	CAPACITOR	1μF,16V
C6206	NCB11CK-105X	CAPACITOR	1μF,16V
C6207	NCB11EK-105X	CAPACITOR	1μF,25V
C6208	NCB21CK-105X	CAPACITOR	1μF,16V
C6209	NCB21CK-105X	CAPACITOR	1μF,16V
C6210	NCB21CK-105X	CAPACITOR	1μF,16V
C6401	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6402	NBE91CM-105X	T CAPACITOR	1μF,16V
C6601	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C6602	NBE90JM-106X	T CAPACITOR,C,D,E,F	10μF,6.3V
C6603	NCBA1HK-102W	CAPACITOR,C,D,E,F	0.001μF,50V
C6604	NCBA1AK-473W	CAPACITOR,C,D,E,F	0.047μF,10V
C6611	NCBA1CK-153W	CAPACITOR,C,D,E,F	0.015μF,16V
C6612	NDCA1EJ-221W	CAPACITOR,C,D,E,F	220pF,25V
C6613	NDCA1EJ-121W	CAPACITOR,C,D,E,F	120pF,25V
C8001	NBE90JM-106X	T CAPACITOR,C,D,E,F	10μF,6.3V
C8002	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8003	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8004	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8006	NCBA1AK-104W	CAPACITOR,C,D,E,F	0.1μF,10V
C8007	NBE90JM-106X	T CAPACITOR,C,D,E,F	10μF,6.3V
C8008	NCB30JK-105X	CAPACITOR,C,D,E,F	1μF,6.3V
C8009	NCBA1AK-104W	CAPACITOR,C,D,E,F	0.1μF,10V
C8010	NBE90JM-106X	T CAPACITOR,C,D,E,F	10μF,6.3V
C8011	NCB30JK-105X	CAPACITOR,C,D,E,F	1μF,6.3V
C8017	NCBA1AK-104W	CAPACITOR,C,D,E,F	0.1μF,10V
C8020	NBE90JM-106X	T CAPACITOR,C,D,E,F	10μF,6.3V
C8021	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8022	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8023	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8024	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8025	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8026	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8027	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8028	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8029	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8030	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8031	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8032	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8033	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8034	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8035	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8036	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8037	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8038	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8039	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8040	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8041	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8042	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V
C8043	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01μF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C8044	NBE20GM-476X	T CAPACITOR,C,D,E,F	47µF,4.0V
C8045	NBE20JM-226X	T CAPACITOR,C,D,E,F	22µF,6.3V
C8046	NBE90JM-106X	T CAPACITOR,C,D,E,F	10µF,6.3V
C8048	NBE20GM-476X	T CAPACITOR,C,D,E,F	47µF,4.0V
C8049	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8050	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8051	NBE20GM-476X	T CAPACITOR,C,D,E,F	47µF,4.0V
C8052	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8054	NCB31HK-392X	CAPACITOR,C,D,E,F	0.0039µF,50V
C8056	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8057	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8058	NCBA1AK-104W	CAPACITOR,C,D,E,F	0.1µF,10V
C8059	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8060	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8101	NBE90JM-106X	T CAPACITOR,C,D,E,F	10µF,6.3V
C8102	NBE90JM-106X	T CAPACITOR,C,D,E,F	10µF,6.3V
C8103	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8104	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8105	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8106	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8107	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8108	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8109	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8110	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8111	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8112	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8113	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8114	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8115	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8116	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
C8117	NDCA1HJ-5R0W	CAPACITOR,C,D,E,F	5pF,50V
C8118	NDCA1HJ-5R0W	CAPACITOR,C,D,E,F	5pF,50V
C8119	NCBA1CK-103W	CAPACITOR,C,D,E,F	0.01µF,16V
L1001	NQR0265-001X	FERRITE BEAD	
L1002	NQR0265-001X	FERRITE BEAD	
L1003	NQL085J-390X	COIL	39µH
L1101	NQL402M-100X	COIL	10µH
L1401	NQL302N-100X	COIL	10µH
L1402	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
L2701	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2702	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L3001	NQR0305-001X	FERRITE BEAD	
L3002	NQR0006-001X	FERRITE BEAD	
L3003	NQR0305-001X	FERRITE BEAD	
L3005	NQR0305-001X	FERRITE BEAD	
L3101	NQR0305-001X	FERRITE BEAD	
L3102	NQR0006-001X	FERRITE BEAD	
L3103	NQR0384-003X	COIL	
L3104	NQR0384-003X	COIL	
L3201	NQR0006-001X	FERRITE BEAD	
L3202	NQR0305-001X	FERRITE BEAD	
L3301	NQR0006-001X	FERRITE BEAD	
L3302	NQL04DK-100X	COIL	10µH
L3303	NQL04DK-100X	COIL	10µH
L3304	NQR0006-001X	FERRITE BEAD	
L3501	NQL04DK-220X	COIL	22µH
L3502	NQL04DK-220X	COIL	22µH
L3503	NQL302N-100X	COIL	10µH
L3504	NQL302N-100X	COIL	10µH
L3551	NQR0006-001X	FERRITE BEAD	
L3701	NQL302N-100X	COIL	10µH

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
L3731	NQL085J-120X	COIL	12µH
L3732	NQL085J-270X	COIL	27µH
L3801	NQR0305-001X	FERRITE BEAD,E,F	
L3802	NQR0006-001X	FERRITE BEAD,E,F	
L3851	NQL302N-100X	COIL,E,F	10µH
L4101	NQR0129-002X	FERRITE BEAD	
L4102	NQL045K-100X	COIL	10µH
L4103	NQR0129-002X	FERRITE BEAD	
L4104	NQL045K-100X	COIL	10µH
L4201	NQR0265-001X	FERRITE BEAD	
L4202	NQL402M-100X	COIL	10µH
L4203	NQR0265-001X	FERRITE BEAD	
L4204	NQL402M-100X	COIL	10µH
L4205	NQL402M-100X	COIL	10µH
L4301	NQR0265-001X	FERRITE BEAD	
L4302	NQR0265-001X	FERRITE BEAD	
L4303	NQR0265-001X	FERRITE BEAD	
L4304	NQL045K-100X	COIL,A,B,C,D	10µH
L4305	NQR0265-001X	FERRITE BEAD	
L4306	NQR0129-002X	FERRITE BEAD	
L4351	NQL402M-100X	COIL	10µH
L4401	NQR0006-001X	FERRITE BEAD	
L5001	NQR0129-002X	FERRITE BEAD	
L5002	NQL045K-100X	COIL	10µH
L5003	NQR0129-002X	FERRITE BEAD	
L5004	NQR0129-002X	FERRITE BEAD	
L5005	NQR0129-002X	FERRITE BEAD	
L5201	NQR0129-002X	FERRITE BEAD	
L5202	NQR0129-002X	FERRITE BEAD	
L5203	NQL045K-100X	COIL	10µH
L5204	NQL045K-100X	COIL	10µH
L5205	NQL045K-100X	COIL	10µH
L5206	NQR0129-002X	FERRITE BEAD	
L6001	NQL402M-100X	COIL	10µH
L6101	NQLZ011-4R7X	COIL	4.7µH
L6102	NQLZ011-4R7X	COIL	4.7µH
L6103	NQLZ011-4R7X	COIL	4.7µH
L6104	NQL32CM-220X	COIL	22µH
L6105	NQL32CM-220X	COIL	22µH
L6106	NQL32CM-100X	COIL	10µH
L6110	NQLZ011-390X	COIL	39µH
L6112	NQL32CM-220X	COIL	22µH
L6114	NQL32CM-220X	COIL	22µH
L6116	NQL32CM-100X	COIL	10µH
L6117	NQL35BK-100X	COIL	10µH
L6118	NQL35BK-100X	COIL	10µH
L6201	NQLZ011-221X	COIL	220µH
L6601	NQL402M-100X	COIL,C,D,E,F	10µH
L8001	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8002	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8003	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8005	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8006	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8007	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8008	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8010	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8011	NQR0129-002X	FERRITE BEAD,C,D,E,F	
L8101	NQR0006-001X	FERRITE BEAD,C,D,E,F	
L8102	NQR0006-001X	FERRITE BEAD,C,D,E,F	
X1001	NAX0279-001X	C OSCILLATOR	
X1002	NAX0267-001X	CRYSTAL RESONATOR	

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	X3001	NAX0206-001X	CRYSTAL RESONATOR	
	X3301	NAX0296-001X	C OSCILLATOR	
	X4301	NAX0332-001X	CXO	
	X8002	NAX0354-001X	RESONATOR,C,D,E,F	
	X8101	NAX0402-001X	CRYSTAL RESONATOR,C,D,E,F	
	S1001	NSW0132-001X	DETECT SWITCH	
	S1401	NSW0128-001X	LEVER SWITCH	
	TB1	LY31799-001A	BATT.TERMINAL	
	WR1	QAL0246-001	FPC	
	WR2	QAL0239-001	FPC	
	WR3	WJR0016-001B	E-SH C WIRE C-F,C,D	
		WJR0016-001C	E-SH C WIRE C-F,A,B,E,F	
	J101	NNZ0028-001	D CONNECTOR	
	CN1001	QGF0513F1-08X	FPC CONNECTOR	
	CN1002	QGB0401M1-80X	CONNECTOR	
	CN1003	QGF0513F2-20X	FPC CONNECTOR	
	CN1004	QGA1001F1-03X	CONNECTOR	
	CN1005	QGF0513F2-06X	FPC CONNECTOR	
	CN1007	QGF0301F1-45X	FPC CONNECTOR	
	CN1008	QGF0507F1-16X	FPC CONNECTOR	
	CN1009	QGA1001F1-02X	CONNECTOR	
	CN1010	QGB0506L1-20X	CONNECTOR	
	CN1011	QGF0513F1-12X	FPC CONNECTOR,C,D,E,F	
	CN1014	QGF0301F1-33X	FPC CONNECTOR	
	CN1016	QGB0401M1-A0X	CONNECTOR	
⚠	F6101	NMFZ007-1R6X-K	FUSE	T1.6A
⚠	F6102	NMFZ007-R20X-K	FUSE	T0.2A
⚠	F6103	NMFZ007-1R6X-K	FUSE	T1.6A
⚠	F6104	NMFZ007-R50X-K	FUSE	T0.5A
	FL3851	NQR0344-001X	LOW PASS FILTER,E,F	
	FL3852	NQR0344-001X	LOW PASS FILTER,E,F	
	OT1	LY30029-065B	SPACER(A)	
	OT2	LY30029-066A	SPACER(A)	
	OT3	LY42538-001A	SHEET(MAIN)	
	OT4	LY30029-078A	SPACER(A),X2	
	OT5	LY30029-079A	SPACER(A)	
	OT6	LY30029-082A	SPACER(A)	
	OT7	LY30029-0A7A	SPACER(A),X2,A,B,E,F	
	SD1	LY31714-001A	SHIELD CASE	

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MDA BOARD ASSEMBLY <02>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	PW2	YB10285A1-01	MDA BOARD ASSY	
	IC1601	BD6630KV	IC	
	IC1801	NAL0006-001X	IR SENSOR UNIT	
	IC4802	TA75W01FU	IC	
	IC4803	TA75W01FU	IC	
	IC4804	UPC358G2/5/-W	IC	
	IC4806	TC7W00FK	IC	
	IC4807	TC7W66FK	IC	
	IC4851	UPD16879GS	IC	
	Q1601	UMC3N	TRANSISTOR	
	Q1801	DTC143XE	TRANSISTOR	
	Q4801	2SC4655/BC/-X	TRANSISTOR	
	Q4802	2SC4617/RS/-X	TRANSISTOR	
	Q4803	DTC144EE	TRANSISTOR	
	Q4804	DTA144EE	TRANSISTOR	
	Q4805	DTA143EE	TRANSISTOR	
	Q4851	2SC4617/RS/-X	TRANSISTOR	
	D1602	DAP222	DIODE	
	D1603	DAP222	DIODE	
	D1604	DAP222	DIODE	
	D1801	TLSU1002/LM/-X	LE DIODE	
	R1601	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
	R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
	R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1605	NRV142F-R22X	CMF RESISTOR	0.22Ω,1/4W
	R1606	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1609	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
	R1610	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R1611	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1614	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
	R1615	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1616	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
	R1617	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
	R1618	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R1619	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R1620	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1624	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
	R1625	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1626	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1627	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1628	NRVA6AD-361W	CMF RESISTOR	360Ω,1/16W
	R1629	NRSA6AJ-684W	MG RESISTOR	680kΩ,1/16W
	R1630	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1631	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1632	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1633	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1634	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1635	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1636	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1637	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
	R1642	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1644	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1801	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
	R1802	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
	R4804	NRVA6AD-331W	CMF RESISTOR	330Ω,1/16W
	R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
	R4807	NRSA6AJ-563W	MG RESISTOR	56kΩ,1/16W
	R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W
	R4809	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4811	NRSA6AJ-684W	MG RESISTOR	680kΩ,1/16W
	R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R4816	NRSA6AJ-185W	MG RESISTOR	1.8MΩ,1/16W
	R4817	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
	R4818	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R4822	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R4825	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R4826	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R4827	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4828	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R4836	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4837	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4839	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4840	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4846	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4849	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4854	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4856	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4857	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R4859	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4860	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4862	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4863	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4868	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4870	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
R4871	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4874	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
C1601	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1602	NBE21AM-106X	T CAPACITOR	10µF,10V
C1603	NBE21AM-106X	T CAPACITOR	10µF,10V
C1605	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1606	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C1607	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1614	NBE21AM-106X	T CAPACITOR	10µF,10V
C1618	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1619	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1620	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1621	NCB21AK-105X	CAPACITOR	1µF,10V
C1622	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1623	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1624	NCB31EK-103X	CAPACITOR	0.01µF,25V
C1625	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1626	NCBA1HK-331W	CAPACITOR	330pF,50V
C1627	NCBA1CK-822W	CAPACITOR	0.0082µF,16V
C1628	NCB21CK-224X	CAPACITOR	0.22µF,16V
C1632	NBE21AM-106X	T CAPACITOR	10µF,10V
C1633	NCF21CZ-684X	CAPACITOR	0.68µF,16V
C1635	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1641	NCB31AK-474X	CAPACITOR	0.47µF,10V
C1801	NBE21AM-106X	T CAPACITOR	10µF,10V
C4803	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4804	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4805	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4806	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4808	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4809	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4810	NCFA1HZ-103W	CAPACITOR	0.01µF,50V
C4811	NCFA1HZ-103W	CAPACITOR	0.01µF,50V
C4812	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4813	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4814	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4815	NCB31HK-152X	CAPACITOR	0.0015µF,50V
C4819	NCF31CZ-104X	CAPACITOR	0.1µF,16V
C4851	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4852	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4853	NBE91AM-335X	T CAPACITOR	3.3µF,10V
C4854	NBE21AM-106X	T CAPACITOR	10µF,10V
C4855	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4858	NDCA1HJ-680W	CAPACITOR	68pF,50V
C4859	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C4860	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C4861	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C4862	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C4864	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C4865	NCBA1AK-104W	CAPACITOR	0.1µF,10V
L1601	NQL315M-1R0X	COIL	1µH
L4802	NQL302N-100X	COIL	10µH
L4851	NQR0129-002X	FERRITE BEAD	
L4852	NQL315K-100X	COIL	10µH
L4853	NQL315K-100X	COIL	10µH
CN201	QGF0505F2-06X	FPC CONNECTOR	
CN202	QGF0517F2-11X	FPC CONNECTOR	
CN203	QGF0505F2-18X	FPC CONNECTOR	
CN204	QGF0507F1-15X	FPC CONNECTOR	
CN205	QGF0507F1-24X	FPC CONNECTOR	
CN206	QGB0401L1-80X	CONNECTOR	
CN207	QGF0505F2-07X	FPC CONNECTOR	
CN208	QGF0507F1-14X	FPC CONNECTOR	
OT1	LY30016-0E6A	SPACER-A	

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CCD BOARD ASSEMBLY <03>

PW	YB10286A-02	CCD BOARD ASSY	
Q5201	2SC3935/Q/-X	TRANSISTOR	
R5201	NRSA63J-122X	MG RESISTOR	1.2kΩ,1/16W
C5202	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5203	NBEE1AM-226X	T CAPACITOR	22µF,10V
C5204	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5205	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5206	NBZ0003-475X	T CAPACITOR	4.7µF
C5207	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5208	NCB31HK-222X	CAPACITOR	0.0022µF,50V
C5209	NCB21EK-104X	CAPACITOR	0.1µF,25V
WR1	WJR0017-001A	E-SH C WIRE C-F	

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MONITOR BOARD ASSEMBLY <04>

PW1	YB10289B-01	MONITOR BOARD ASSY,A,C,D,E	
	YB10289B-02	MONITOR BOARD ASSY,B,F	
IC7501	TL1451CPW	IC	
IC7502	TC7SH04FU	IC(DIGITAL)	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
or	SN74AHC1G04K	IC	
IC7601	AN2533FH	IC	
IC7603	AT25040N-10SC-X	IC	
IC7604	BU4053BCFV	IC	
IC7607	TC7S04FU	IC	
IC7608	TC7S08FU	IC(DIGITAL)	
Q7501	UMD3N	TRANSISTOR	
Q7502	SSM3K01F	MOS FET	
Q7503	2SC4617/QRS/-X	TRANSISTOR	
Q7504	XP6401	TRANSISTOR	
Q7601	2SA1774/QR/-X	TRANSISTOR	
Q7602	UMC4N	TRANSISTOR	
Q7604	DTA114YE	TRANSISTOR	
Q7605	DTA114YE	TRANSISTOR	
Q7606	DTA114YE	TRANSISTOR	
Q7607	DTA114YE	TRANSISTOR	
Q7608	UMZ1N	PAIR TRANSISTOR	
Q7609	2SC4097/QR/-X	TRANSISTOR	
Q7610	2SA1577/QR/-X	TRANSISTOR	
Q7615	DTA144EE	TRANSISTOR	
Q7616	UMC4N	TRANSISTOR	
Q7618	DTC144EE	TRANSISTOR	
D7501	MA142WK	DIODE	
D7601	RB471E	SB DIODE	
D7602	MA111	DIODE	
D7603	MA111	DIODE	
R7501	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R7502	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7503	NRVA63D-334X	CMF RESISTOR	330kΩ,1/16W
R7504	NRSA6AJ-394W	MG RESISTOR	390kΩ,1/16W
R7505	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R7506	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R7507	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R7508	NRS181J-335X	MG RESISTOR	3.3MΩ,1/8W
R7509	NRS181J-335X	MG RESISTOR	3.3MΩ,1/8W
R7510	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R7511	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7512	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R7513	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R7514	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R7515	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W
R7516	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W
R7517	NRSA6AJ-122W	MG RESISTOR	1.2kΩ,1/16W
R7518	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R7519	NRSA6AJ-163W	MG RESISTOR	16kΩ,1/16W
R7520	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R7521	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
R7523	NRVA63D-184X	CMF RESISTOR	180kΩ,1/16W
R7524	NRVA63D-114X	CMF RESISTOR	110kΩ,1/16W
R7525	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R7526	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7527	NRSA6AJ-221W	MG RESISTOR,B,F	220Ω,1/16W
R7602	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7603	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7604	NRSA6AJ-563W	MG RESISTOR	56kΩ,1/16W
R7610	NRSA6AJ-563W	MG RESISTOR	56kΩ,1/16W
R7611	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R7612	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7613	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7614	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7615	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7616	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7617	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7620	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7627	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7631	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7635	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R7636	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R7637	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7638	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7639	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7640	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7641	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7642	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R7643	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R7645	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R7646	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R7649	NRVA6AD-222W	CMF RESISTOR	2.2kΩ,1/16W
R7650	NRVA6AD-222W	CMF RESISTOR	2.2kΩ,1/16W
R7651	NRVA6AD-222W	CMF RESISTOR	2.2kΩ,1/16W
R7652	NRVA6AD-222W	CMF RESISTOR	2.2kΩ,1/16W
R7653	NRVA6AD-222W	CMF RESISTOR	2.2kΩ,1/16W
R7654	NRVA6AD-222W	CMF RESISTOR	2.2kΩ,1/16W
R7657	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R7658	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R7659	NRSA6AJ-394W	MG RESISTOR	390kΩ,1/16W
R7660	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
R7661	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R7662	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7663	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7664	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R7665	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R7666	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R7673	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R7675	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7680	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
R7681	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R7682	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
C7501	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7502	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C7503	NBE91AM-335X	T CAPACITOR	3.3µF,10V
C7504	NBP41CM-226X	T CAPACITOR	22µF,16V
C7505	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7506	NBE90JM-685X	T CAPACITOR	6.8µF,6.3V
C7507	NDC31HJ-331X	CAPACITOR	330pF,50V
C7508	NCB21EK-104X	CAPACITOR	0.1µF,25V
C7509	NBP41CM-226X	T CAPACITOR	22µF,16V
C7601	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7602	NBEE0JM-476X	T CAPACITOR	47µF,6.3V
C7603	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C7604	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7605	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7606	NCZ1028-225X	CAPACITOR	2.2µF
C7607	NCF31CZ-104X	CAPACITOR	0.1µF,16V
C7608	NCZ1028-225X	CAPACITOR	2.2µF
C7609	NCZ1028-225X	CAPACITOR	2.2µF
C7610	NBP41CM-226X	T CAPACITOR	22µF,16V
C7614	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7615	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C7618	NCBA1CK-822W	CAPACITOR	0.0082µF,16V
C7619	NBE90JM-225X	T CAPACITOR	2.2µF,6.3V
C7620	NBE90JM-106X	T CAPACITOR	10µF,6.3V

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	C7621	NDCA1HJ-151W	CAPACITOR	150pF,50V
	C7623	NDC31HJ-471X	CAPACITOR	470pF,50V
	C7625	NCB30JK-105X	CAPACITOR	1µF,6.3V
	C7626	NDCA1HJ-270W	CAPACITOR	27pF,50V
	C7627	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C7628	NCB21AK-225X	CAPACITOR	2.2µF,10V
	C7629	NBE90JM-106X	T CAPACITOR	10µF,6.3V
	C7630	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C7631	NCF31AZ-105X	CAPACITOR	1µF,10V
	C7632	NCF31AZ-105X	CAPACITOR	1µF,10V
	C7636	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C7637	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C7638	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
	C7639	NCF31CZ-104X	CAPACITOR	0.1µF,16V
	C7640	NBE81AM-106X	T CAPACITOR	10µF,10V
	C7641	NBE81AM-106X	T CAPACITOR	10µF,10V
	C7642	NBE81AM-106X	T CAPACITOR	10µF,10V
	C7646	NBP81DM-155X	T CAPACITOR	1.5µF,20V
	C7647	NBP81DM-155X	T CAPACITOR	1.5µF,20V
	C7648	NCF31CZ-104X	CAPACITOR	0.1µF,16V
	C7650	NBP41EM-475X	T CAPACITOR	4.7µF,25V
	C7652	NBE90JM-106X	T CAPACITOR	10µF,6.3V
	C7654	NBP41EM-475X	T CAPACITOR	4.7µF,25V
	C7656	NCF31AZ-105X	CAPACITOR	1µF,10V
	L7501	NQLZ008-101X	COIL	100µH
	L7502	NQL38DK-220X	COIL	22µH
	L7503	NQL034K-100X	COIL	10µH
	L7603	NQL38DK-220X	COIL	22µH
	L7604	NQL38DK-220X	COIL	22µH
	L7605	NQL38DK-220X	COIL	22µH
	L7606	NQL013K-150X	COIL	15µH
	L7607	NQL38DK-220X	COIL	22µH
	L7610	NQL38DK-220X	COIL	22µH
	L7611	NQL38DK-220X	COIL	22µH
	T7501	NQS0040-001X	SW TRANSF	
	T7502	NAX0334-001	PIEZOELE TRANSF	
	CN7501	QGF0304F1-39X	FFC/FPC CONNECTOR	
	CN7502	QGF0517F1-24X	FPC CONNECTOR	
⚠	F7501	NMFZ009-R50X-J1	FUSE	T0.5A
	OT1	LY42526-001A	SHIELD SHEET	
	OT2	LY30029-068B	SPACER(A)	
	OT3	LY30029-092A	SPACER(A)	
	OT4	LY30016-0F6A	SPACER-A,A,C,D,E	
	OT5	LY30016-0P9A	SPACER-A,A,C,D,E	

–PULL DOWN BOARD ASSEMBLY, A,C,D,E –

	PW2	YB20835C	PULL DOWN BOARD ASSY	
	R7527	NRSA63J-221X	MG RESISTOR	220Ω,1/16W
	WR1	YU40017-020-1	THIN WIRE	
	WR2	YU40017-050-4	THIN WIRE	

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MMC BOARD ASSEMBLY <06>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	PW3	YB10288A3	MMC BOARD ASSY,C,D	
		YB10288A3-01	MMC BOARD ASSY,E,F	
		YB10288B3-01	MMC BOARD ASSY,A,B	
	R8501	NRSA63J-103X	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8502	NRSA63J-473X	MG RESISTOR,C,D,E,F	47kΩ,1/16W
	R8503	NRSA63J-103X	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8504	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
	R8505	NRSA63J-0R0X	MG RESISTOR,A,B	0Ω,1/16W
		NRSA63J-153X	MG RESISTOR,C,D,E,F	15kΩ,1/16W
	R8506	NRSA63J-333X	MG RESISTOR,A,B	33kΩ,1/16W
		NRSA63J-183X	MG RESISTOR,C,D,E,F	18kΩ,1/16W
	R8507	NRSA63J-103X	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8508	NRSA63J-103X	MG RESISTOR,C,D,E,F	10kΩ,1/16W
	R8511	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8512	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8513	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8515	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8516	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
	R8517	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
	C8501	NBE20JM-106X	T CAPACITOR,C,D,E,F	10µF,6.3V
	L8501	NQR0129-002X	FERRITE BEAD,C,D,E,F	
⚠	BT8501	QAB0020-001	LI BATTERY	
	CN601	QGF0505F1-14X	FPC CONNECTOR	
	CN602	QGF0505F1-06X	FPC CONNECTOR	
	CN604	NNZ0035-001X	MMC CONNECTOR,C,D,E,F	

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STROBE BOARD ASSEMBLY <07>,C,D,E,F

	PW	YB10249C	STROBE BOARD ASSY	
	IC6502	TC7SET08FU	IC(DIGITAL)	
	Q6501	2SB1462J/RS/-X	TRANSISTOR	
	Q6502	UN9211J	TRANSISTOR	
	or	DTC114EE	TRANSISTOR	
⚠	Q6503	2SB1124/ST/-X	TRANSISTOR	
	Q6504	2SD1628/FG/-X	TRANSISTOR	
	Q6506	CT25ASJ-8-X	POW TRANSISTOR	
	D6501	F1F16	DIODE	
	D6502	DA121	DIODE	
	D6503	F1SN4	DIODE	
	D6504	CRG02	DIODE	
	R6501	NRSA63J-3R9X	MG RESISTOR	3.9Ω,1/16W
	R6502	NRSA63J-4R7X	MG RESISTOR	4.7Ω,1/16W
	R6504	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R6505	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R6506	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
	R6507	NRSA02J-106X	MG RESISTOR	10MΩ,1/10W
	R6508	NRVA63D-184X	CMF RESISTOR	180kΩ,1/16W
	R6511	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R6514	NRSA02J-105X	MG RESISTOR	1MΩ,1/10W
	R6515	NRS181J-220X	MG RESISTOR	22Ω,1/8W
	R6516	NRSA02J-104X	MG RESISTOR	100kΩ,1/10W
	R6519	NRSA02J-106X	MG RESISTOR	10MΩ,1/10W
	R6520	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
	R6527	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
	C6501	NBE41AM-336X	T CAPACITOR	33µF,10V
	C6502	NBE41AM-226X	T CAPACITOR	22µF,10V
	C6503	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6506	NCZ1008-333X	CAPACITOR	0.033µF
	C6507	NCZ1019-273X	CAPACITOR	0.027µF
	C6508	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6509	NCZ1024-103X	CAPACITOR	0.01µF
	C6512	QEZ0450-326	E CAPACITOR	32µF
	L6501	NQS0042-001X	SW TRANSF	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
L6502	NQL302N-100X	COIL	10µH
L6503	NQL044K-470X	COIL	47µH
HD1	LY31715-001A	HOLDER(STROBE)	
UN1	LY31121-001D	STROBE ASSY	
WR1	WJT0033-001A	E-CARD WIRE	
J6501	QUB490-02A2A2	WIRE	
J6502	QUB499-02A2A2	WIRE	
CN6501	QGF0513F1-12X	FPC CONNECTOR	
OT1	LY30016-0F6A	SPACER-A	
OT2	LY30018-037A	SPECIAL SCREW	
OT3	LY41409-002A	SPACER(STROBE)	

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AUDIO VF BOARD ASSEMBLY <08>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW1	YB10285B2-02	AUDIO VF BOARD ASSY,C,D	
	YB10285C2-02	AUDIO VF BOARD ASSY,A,B	
	YB10285D2	AUDIO VF BOARD ASSY,E,F	
IC2101	AK4550VT	IC	
IC2102	AK4550VT	IC,C,D,E,F	
IC2103	JCY0137	IC	
IC2201	LA74202W	IC	
IC2301	NJM2100V	IC,C,D,E,F	
IC2302	NJM2100V	IC,C,D,E,F	
Q2101	2SC5585	TRANSISTOR	
Q2102	2SC5585	TRANSISTOR	
Q2201	2SC4617/QR/-X	TRANSISTOR	
Q2301	2SC4617/QR/-X	TRANSISTOR,C,D,E,F	
Q2401	2SC4617/QR/-X	TRANSISTOR	
Q2403	2SD1511/R/-X	TRANSISTOR	
Q2602	NRSA6AJ-563W	MG RESISTOR	56kΩ,1/16W
	or NRVA6AD-563W	CMF RESISTOR	56kΩ,1/16W
Q2603	2SC4617/QR/-X	TRANSISTOR	
Q2604	2SC4617/QR/-X	TRANSISTOR	
Q2755	UMX1N	PAIR TRANSISTOR	
Q7401	UMZ1N	PAIR TRANSISTOR	
D2001	TLSU1002/LM/-X	LE DIODE	
D2751	DAN222	DIODE	
R2001	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2002	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R2003	NRVA6AD-152W	CMF RESISTOR	1.5kΩ,1/16W
R2004	NRVA6AD-182W	CMF RESISTOR	1.8kΩ,1/16W
R2005	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
R2101	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2102	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2103	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2104	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2105	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2111	NRSA6AJ-471W	MG RESISTOR,C,D,E,F	470Ω,1/16W
R2112	NRSA6AJ-471W	MG RESISTOR,C,D,E,F	470Ω,1/16W
R2113	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2114	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2117	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2118	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2119	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2120	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2121	NRSA6AJ-564W	MG RESISTOR,C,D,E,F	560kΩ,1/16W
R2122	NRSA6AJ-564W	MG RESISTOR,C,D,E,F	560kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R2131	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2132	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2133	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2134	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2135	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2136	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2137	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2138	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2139	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2141	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2202	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2203	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2204	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2205	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R2206	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2208	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R2210	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2220	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2221	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2224	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2228	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2229	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2234	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2301	NRSA6AJ-560W	MG RESISTOR,C,D,E,F	56Ω,1/16W
R2302	NRSA6AJ-560W	MG RESISTOR,C,D,E,F	56Ω,1/16W
R2303	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2305	NRSA6AJ-183W	MG RESISTOR,C,D,E,F	18kΩ,1/16W
R2306	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R2307	NRSA6AJ-183W	MG RESISTOR,C,D,E,F	18kΩ,1/16W
R2308	NRSA6AJ-473W	MG RESISTOR,E,F	47kΩ,1/16W
R2309	NRSA6AJ-184W	MG RESISTOR,C,D	180kΩ,1/16W
	NRSA6AJ-224W	MG RESISTOR,E,F	220kΩ,1/16W
R2310	NRSA6AJ-393W	MG RESISTOR,C,D	39kΩ,1/16W
R2311	NRSA6AJ-473W	MG RESISTOR,C,D,E,F	47kΩ,1/16W
R2312	NRSA6AJ-183W	MG RESISTOR,C,D,E,F	18kΩ,1/16W
R2313	NRSA6AJ-473W	MG RESISTOR,E,F	47kΩ,1/16W
R2314	NRSA6AJ-183W	MG RESISTOR,C,D,E,F	18kΩ,1/16W
R2315	NRSA6AJ-393W	MG RESISTOR,C,D	39kΩ,1/16W
R2316	NRSA6AJ-224W	MG RESISTOR,E,F	220kΩ,1/16W
	NRSA6AJ-184W	MG RESISTOR,C,D	180kΩ,1/16W
R2317	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2318	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2319	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2320	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2321	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2322	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2323	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2324	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2325	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2326	NRSA6AJ-104W	MG RESISTOR,C,D,E,F	100kΩ,1/16W
R2327	NRSA6AJ-102W	MG RESISTOR,C,D,E,F	1kΩ,1/16W
R2328	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
R2329	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2330	NRSA63J-0R0X	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2333	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2334	NRSA6AJ-0R0W	MG RESISTOR,C,D,E,F	0Ω,1/16W
R2401	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2402	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R2412	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2413	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2415	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R2429	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2601	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2602	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2603	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R2604	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R2609	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2610	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2613	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2614	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2615	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R2616	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R2619	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2620	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2621	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2622	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2623	NRSA6AJ-5R6W	MG RESISTOR	5.6Ω,1/16W
R2624	NRSA6AJ-5R6W	MG RESISTOR	5.6Ω,1/16W
R2627	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2628	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2629	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2630	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2631	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2632	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2633	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2634	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2635	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R2636	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R2640	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2641	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2642	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2643	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R2715	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2756	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2757	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2758	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2759	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2760	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2775	NRSA6AJ-473W	MG RESISTOR,E,F	47kΩ,1/16W
	NRSA6AJ-223W	MG RESISTOR,C,D	22kΩ,1/16W
R2776	NRSA6AJ-473W	MG RESISTOR,E,F	47kΩ,1/16W
	NRSA6AJ-223W	MG RESISTOR,C,D	22kΩ,1/16W
R2777	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
R2778	NRSA6AJ-103W	MG RESISTOR,C,D,E,F	10kΩ,1/16W
R7427	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7428	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7429	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7430	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7442	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
R7443	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
R7444	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R7445	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
C2101	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2102	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2103	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C2104	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C2105	NBE90JM-475X	T CAPACITOR	4.7µF,6.3V
C2106	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2107	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2108	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C2111	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2112	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2113	NCBA1HK-222W	CAPACITOR,C,D,E,F	0.0022µF,50V
C2114	NCBA1HK-222W	CAPACITOR,C,D,E,F	0.0022µF,50V
C2115	NBE90JM-475X	T CAPACITOR,C,D,E,F	4.7µF,6.3V
C2116	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2117	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2118	NBE90JM-106X	T CAPACITOR,C,D,E,F	10µF,6.3V
C2119	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2120	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2131	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C2132	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2134	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2136	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2137	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2203	NBE90JM-475X	T CAPACITOR	4.7µF,6.3V
C2204	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C2207	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2208	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2210	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C2211	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C2212	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C2214	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2215	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2216	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C2217	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2220	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2221	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2224	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2227	NCB21CK-105X	CAPACITOR	1µF,16V
C2230	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2301	NBE90JM-106X	T CAPACITOR,C,D,E,F	10µF,6.3V
C2303	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2304	NCB30JK-105X	CAPACITOR,C,D	1µF,6.3V
C2305	NCB30JK-105X	CAPACITOR,C,D	1µF,6.3V
C2306	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2307	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2308	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2309	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2310	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2311	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2312	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2313	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2314	NCB30JK-105X	CAPACITOR,C,D,E,F	1µF,6.3V
C2315	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2316	NCB31CK-104X	CAPACITOR,C,D,E,F	0.1µF,16V
C2402	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C2412	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C2413	NBE40JM-476X	T CAPACITOR	47µF,6.3V
C2603	NCB31EK-472X	CAPACITOR	0.0047µF,25V
C2604	NCB31EK-472X	CAPACITOR	0.0047µF,25V
C2605	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C2606	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C2611	NCB31CK-333X	CAPACITOR	0.033µF,16V
C2612	NCB31CK-333X	CAPACITOR	0.033µF,16V
C2613	NCBA1HK-332W	CAPACITOR	0.0033µF,50V
C2614	NCBA1HK-332W	CAPACITOR	0.0033µF,50V
C2617	NCB31CK-273X	CAPACITOR	0.027µF,16V
C2618	NCB31CK-273X	CAPACITOR	0.027µF,16V
C2621	NBE90JM-475X	T CAPACITOR	4.7µF,6.3V
C2622	NBE90JM-475X	T CAPACITOR	4.7µF,6.3V
C2625	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2626	NCB31CK-104X	CAPACITOR	0.1µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2627	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2628	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2629	NBE20GM-336X	T CAPACITOR	33µF,4.0V
C2631	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2632	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2635	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2636	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2639	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2640	NCB31CK-104X	CAPACITOR	0.1µF,16V
C2702	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C2703	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C2753	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2754	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2764	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2765	NCB20JK-225X	CAPACITOR	2.2µF,6.3V
C2766	NCB21CK-474X	CAPACITOR,E,F	0.47µF,16V
C2767	NCB21CK-474X	CAPACITOR,E,F	0.47µF,16V
C2768	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2769	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C7427	NBP41DM-106X	T CAPACITOR	10µF,20V
C7428	NCB21CK-105X	CAPACITOR	1µF,16V
C7429	NBE21AM-106X	T CAPACITOR	10µF,10V
C7431	NBE20JM-106X	T CAPACITOR	10µF,6.3V
L2101	NQL402M-100X	COIL	10µH
L2102	NQL402M-100X	COIL,C,D,E,F	10µH
L2131	NQL402M-100X	COIL	10µH
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2604	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L7403	NQL045K-100X	COIL	10µH
L7404	NQL045K-100X	COIL	10µH
S7001	NSW0129-001X	PUSH SWITCH	
CN801	QGB0401L1-A0X	CONNECTOR	
CN802	QGF0517F2-12X	FPC CONNECTOR	
CN803	QGF0517F1-06X	FPC CONNECTOR	
CN804	QGA1001F1-05X	CONNECTOR	
CN805	QGF0507F1-20X	FPC CONNECTOR	
OT1	LY42535-001A	SHEET(AUD.PWB)	
OT2	LY42775-001A	S.SHEET(AU/VF)	

****

JACK BOARD ASSEMBLY <09>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW1	YB10288C1	JACK BOARD ASSY	
Q2851	2SD1979/S/-X	TRANSISTOR	
D2852	MA8068	ZENER DIODE	
R2851	NRSA63J-183X	MG RESISTOR	18kΩ,1/16W
R2852	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2853	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2854	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2855	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2854	NCB31EK-223X	CAPACITOR	0.022µF,25V
C2856	NCB31EK-153X	CAPACITOR	0.015µF,25V
C2859	NCB31HK-332X	CAPACITOR	0.0033µF,50V
C2860	NCB31HK-102X	CAPACITOR	0.001µF,50V
L2851	NQR0251-004X	FERRITE BEAD	
L2852	NQR0251-004X	FERRITE BEAD	
L2853	NQR0251-004X	FERRITE BEAD	
J2851	QNS0078-001	3.5 JACK	
CN901	QGF0507F1-16X	FPC CONNECTOR	
CN902	QGF0517F2-08X	FPC CONNECTOR	

****

W/B BOARD ASSEMBLY <11>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW3	YB10285A3	W/B BOARD ASSY	
Q1151	RPM-22PB	PHOTO TRANSISTOR	
R1151	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
C1151	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C1152	NCB21EK-683X-R	CAPACITOR	0.068µF,25V
L1151	NQR0265-001X	FERRITE BEAD	
WR1	WJM0144-001A	E-SI C WIRE C-F	

****

EJECT BOARD ASSEMBLY <12>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
PW2	YB10288A2-01	EJECT BOARD ASSY
S1	NSW0120-002X	PUSH SWITCH
WR1	WJM0145-001A	E-SI C WIRE C-F

SECTION 4
CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

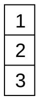
1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in µF, (P: PF).
3) All inductance values are in µH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

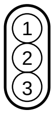
AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

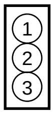
3. Interpreting Connector indications



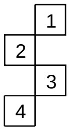
Removable connector



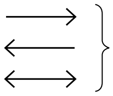
Wire soldered directly on board



Non-removable Board connector



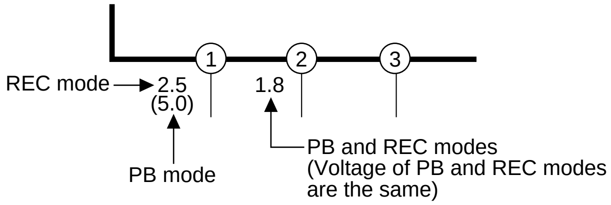
Board to Board



Connected pattern on board
The arrows indicate signal path

4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.

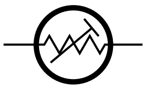
⇨	Playback signal path
➡	Playback and recording signal path
➡	Recording signal path (including E-E signal path)
⇨▷	Capstan servo path
➡▶	Drum servo path

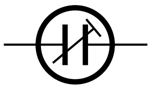
(Example)

⇨	R-Y	Playback R-Y signal path
➡	Y	Recording Y signal path

6. Indication of the parts for adjustments

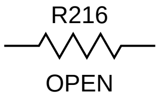
The parts for the adjustments are surrounded with the circle as shown below.





7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



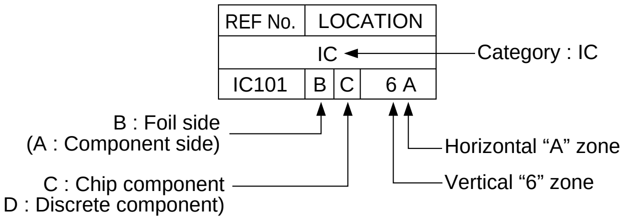
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

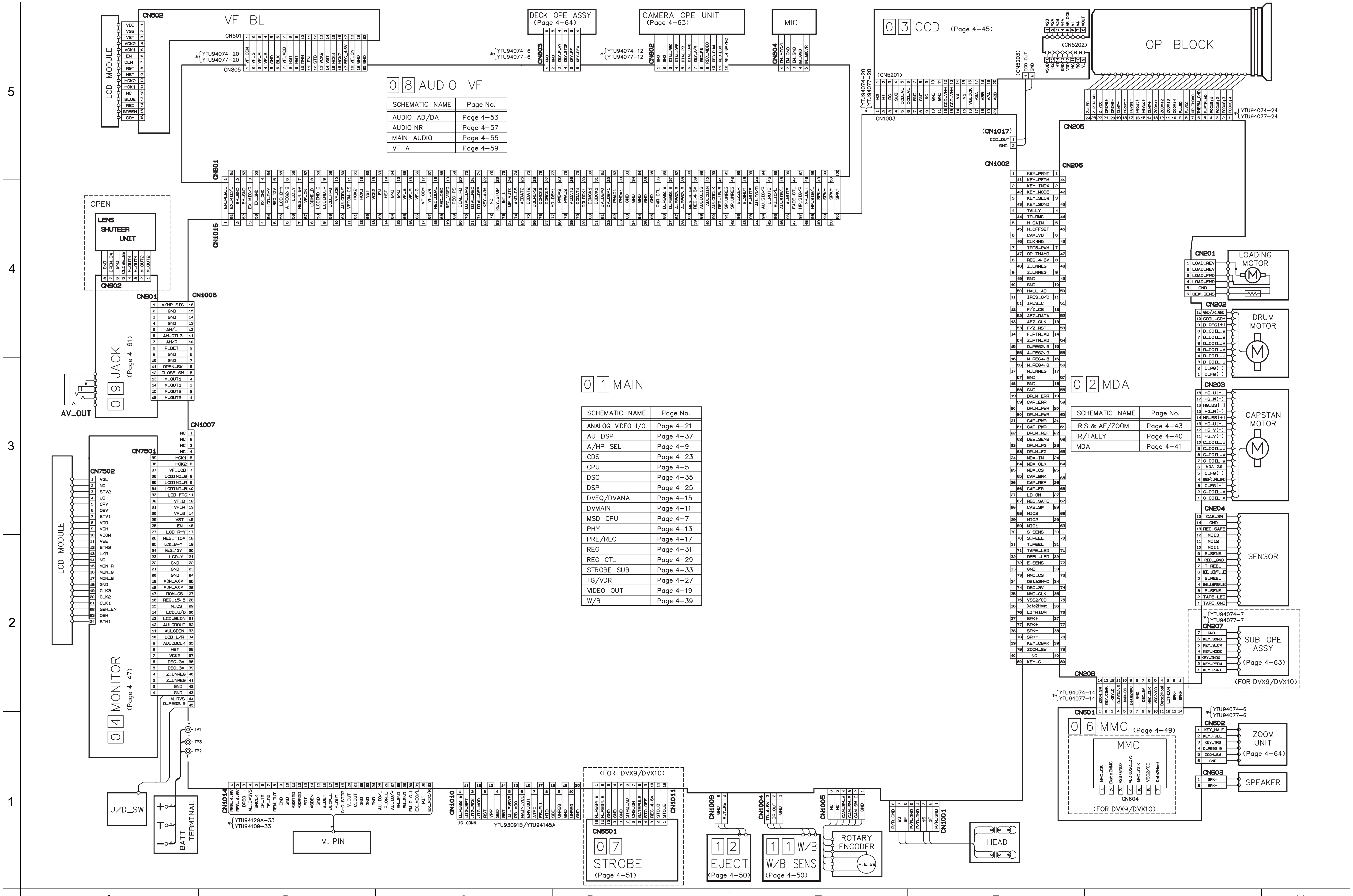
Parts location are indicated by guide scale on the circuit board.


REF No.
LOCATION
IC
Category : IC
IC101
B
C
6 A
B : Foil side
(A : Component side)
C : Chip component
D : Discrete component)
Horizontal “A” zone
Vertical “6” zone

Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

4.1 BOARD INTERCONNECTIONS

NOTE) * : The number of patch cords are indicated by interconnected.


LCD MODULE
CN502
VF BL
CN501
CN805
DECK OPE ASSY (Page 4-64)
CN803
CAMERA OPE UNIT (Page 4-63)
CN802
MIC
CN804
03 CCD (Page 4-45)
CN5201
CN5203
CN5202
OP BLOCK
CN1003
CN1017
CN1002
CN205
CN206
08 AUDIO VF
CN801
CN1016
OPEN
LENS SHUTEER UNIT
CN902
CN901
CN1008
09 JACK (Page 4-61)
AV_OUT
CN1007
CN7501
CN7502
LCD MODULE
04 MONITOR (Page 4-47)
01 MAIN
02 MDA
CN201
LOADING MOTOR
CN202
DRUM MOTOR
CN203
CAPSTAN MOTOR
CN204
SENSOR
CN207
SUB OPE ASSY (Page 4-63)
(FOR DVX9/DVX10)
CN208
CN601
06 MMC (Page 4-49)
MMC
CN604
(FOR DVX9/DVX10)
CN602
ZOOM UNIT (Page 4-64)
CN603
SPEAKER
TP1
TP3
TP2
U/D_SW
BATT TERMINAL
CN1014
M. PIN
CN1010
JIG CONN.
YTU93091B/YTU94145A
(FOR DVX9/DVX10)
CN1011
CN6501
07 STROBE (Page 4-51)
CN1009
12 EJECT (Page 4-50)
CN1004
11 W/B W/B SENS (Page 4-50)
CN1005
ROTARY ENCODER
CN1001
HEAD
A
B
C
D
E
F
G
H
1
2
3
4
5

08 AUDIO VF

SCHEMATIC NAME	Page No.
AUDIO AD/DA	Page 4-53
AUDIO NR	Page 4-57
MAIN AUDIO	Page 4-55
VF A	Page 4-59

01 MAIN

SCHEMATIC NAME	Page No.
ANALOG VIDEO I/O	Page 4-21
AU DSP	Page 4-37
A/HP SEL	Page 4-9
CDS	Page 4-23
CPU	Page 4-5
DSC	Page 4-35
DSP	Page 4-25
DVEQ/DVANA	Page 4-15
DVMAIN	Page 4-11
MSD CPU	Page 4-7
PHY	Page 4-13
PRE/REC	Page 4-17
REG	Page 4-31
REG CTL	Page 4-29
STROBE SUB	Page 4-33
TG/VDR	Page 4-27
VIDEO OUT	Page 4-19
W/B	Page 4-39

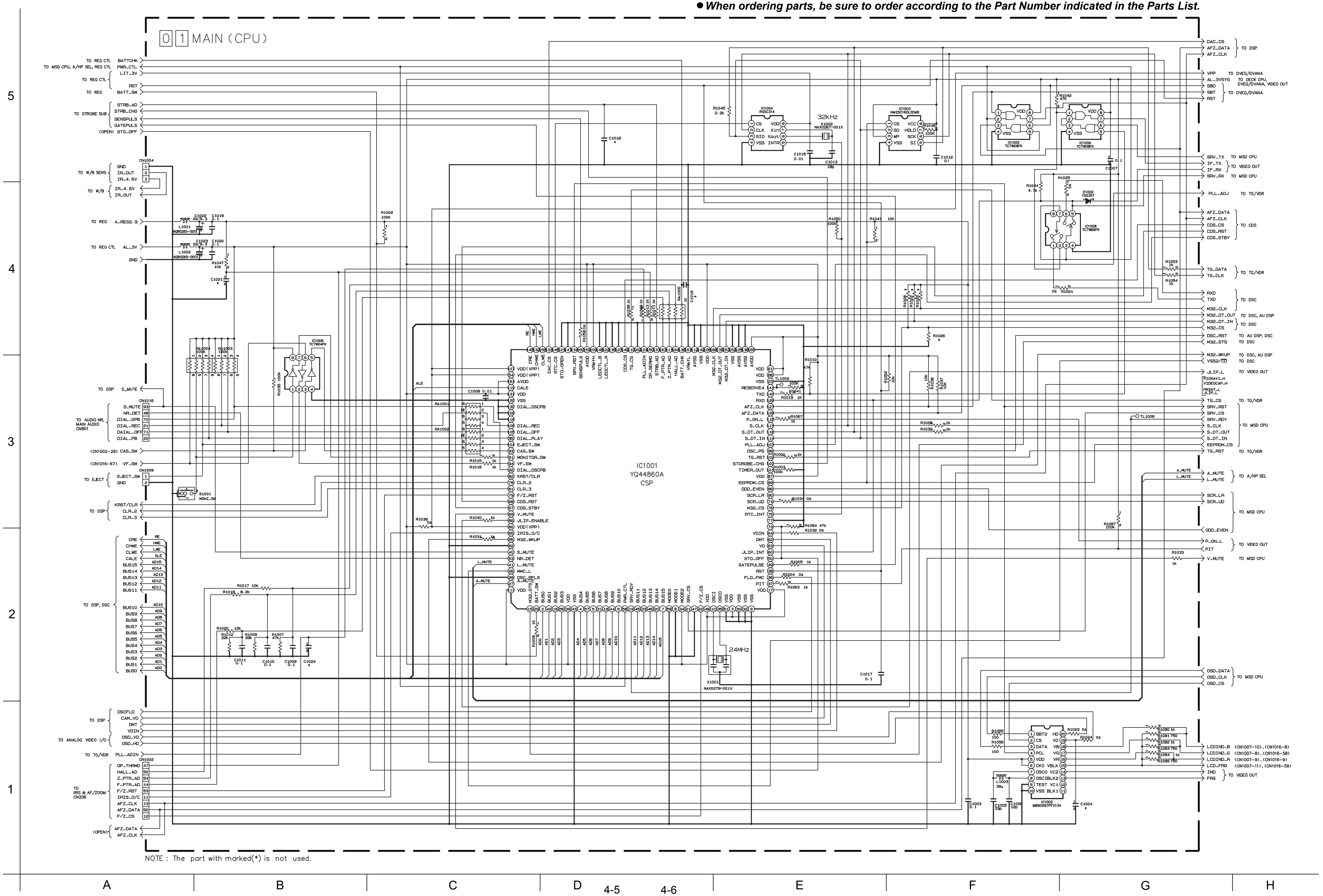
02 MDA

SCHEMATIC NAME	Page No.
IRIS & AF/ZOOM	Page 4-43
IR/TALLY	Page 4-40
MDA	Page 4-41

4.2 CPU SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***

● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

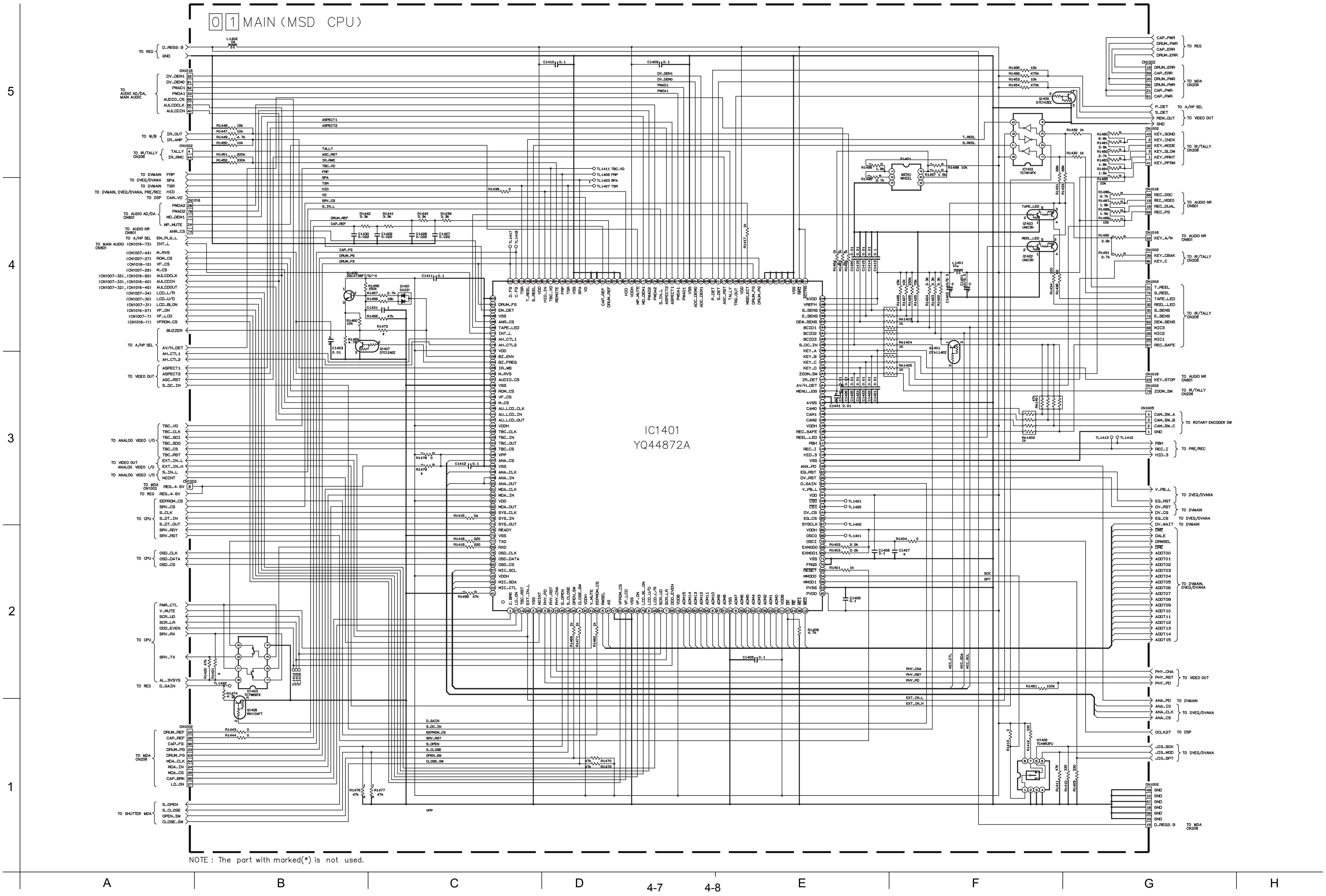


01 MAIN (CPU)
IC1001
YQ44860A
CSP
IC1004
RS5C314
IC1003
NM25C160LZEM8
IC1005
TC7W08FK
IC1009
TC7W08FK
IC1008
TC7W66FK
IC1006
TC7W04FK
IC1002
MB90097PFV134
X1002
NAX0267-001X
32kHz
X1001
NAX0279-001X
24MHz
D1002
1SS357
L1001
NQR0265-001X
L1002
NQR0265-001X
L1003
39μ
S1001
MONI_SW
CN1004
CN1016
CN1009
CN1002
TO REG CTL BATTCHK
TO MSD CPU, A/HP SEL, REG CTL PWR_CTL
LIT_3V
TO REG CTL RST
TO REG BATT_SW
STRB_AD
STRB_CHG
TO STROBE SUB SENSPULS
GATEPULS
(OPEN) STO_OFF
TO W/B SENS GND IR_OUT IR_4.6V
TO W/B IR_4.6V IR_OUT
TO REG A_REG2.9
TO REG CTL AL_3V
GND
TO DSP S_MUTE
TO AUDIO NR, MAIN AUDIO CN801
S_MUTE NR_DET DIAL_DPB DIAL_REC DAIAL_OFF DIAL_PB
(CN1002-28) CAS_SW
(CN1016-67) VF_SW
TO EJECT EJECT_SW GND
TO DSP KRST/CLR CLR_2 CLR_3
TO DSP, DSC
CRE CHWE CLWE CALE BUS15 BUS14 BUS13 BUS12 BUS11 BUS10 BUS9 BUS8 BUS7 BUS6 BUS5 BUS4 BUS3 BUS2 BUS1 BUS0
TO DSP DSCFLD CAM_VD DMT VDIN
TO ANALOG VIDEO I/O OSD_VD OSD_HD
TO TG/VDR PLL_ADIN
TO IRIS & AF/ZOOM CN206
OP_THRMO HALL_AD Z_PTR_AD F_PTR_AD F/Z_RST IRIS_O/C AFZ_CLK AFZ_DATA F/Z_CS
(OPEN) AFZ_DATA AFZ_CLK
DAC_CS AFZ_DATA AFZ_CLK TO DSP
VPP TO DVEQ/DVANA
AL_3VSYS TO DECK CPU, DVEQ/DVANA, VIDEO OUT
SBD SBT RST TO DVEQ/DVANA
SRV_TX TO MSD CPU
IF_TX IF_RX TO VIDEO OUT
SRV_RX TO MSD CPU
PLL_ADJ TO TG/VDR
AFZ_DATA AFZ_CLK CDS_CS CDS_RST CDS_STBY TO CDS
TG_DATA TG_CLK TO TG/VDR
RXD TXD TO DSC
M32_CLK
M32_DT_OUT TO DSC, AU DSP
M32_DT_IN M32_CS TO DSC
DSC_RST TO AU DSP, DSC
M32_STS TO DSC
M32_WKUP TO DSC, AU DSP
VSS2/CD TO DSC
JLIP_L TO VIDEO OUT
PICNAVI_H VIDEOCAP_H PRINT_L
TG_CS TO TG/VDR
SRV_RST SRV_CS SRV_RDY S_CLK S_DT_OUT S_DT_IN EEPROM_CS TO MSD CPU
TG_RST TO TG/VDR
A_MUTE L_MUTE TO A/HP SEL
SCR_LR SCR_UD ODD_EVEN TO MSD CPU
P_ON_L PIT TO VIDEO OUT
V_MUTE TO MSD CPU
OSD_DATA OSD_CLK OSD_CS TO MSD CPU
LCDIND_B (CN1007-10),(CN1016-8)
LCDIND_G (CN1007-8),(CN1016-58)
LCDIND_R (CN1007-9),(CN1016-9)
LCD_FRG (CN1007-11),(CN1016-59)
IND FRG TO VIDEO OUT
A B C D E F G H
1 2 3 4 5

NOTE : The part with marked(*) is not used.

4.3 MSD CPU SCHEMATIC DIAGRAM

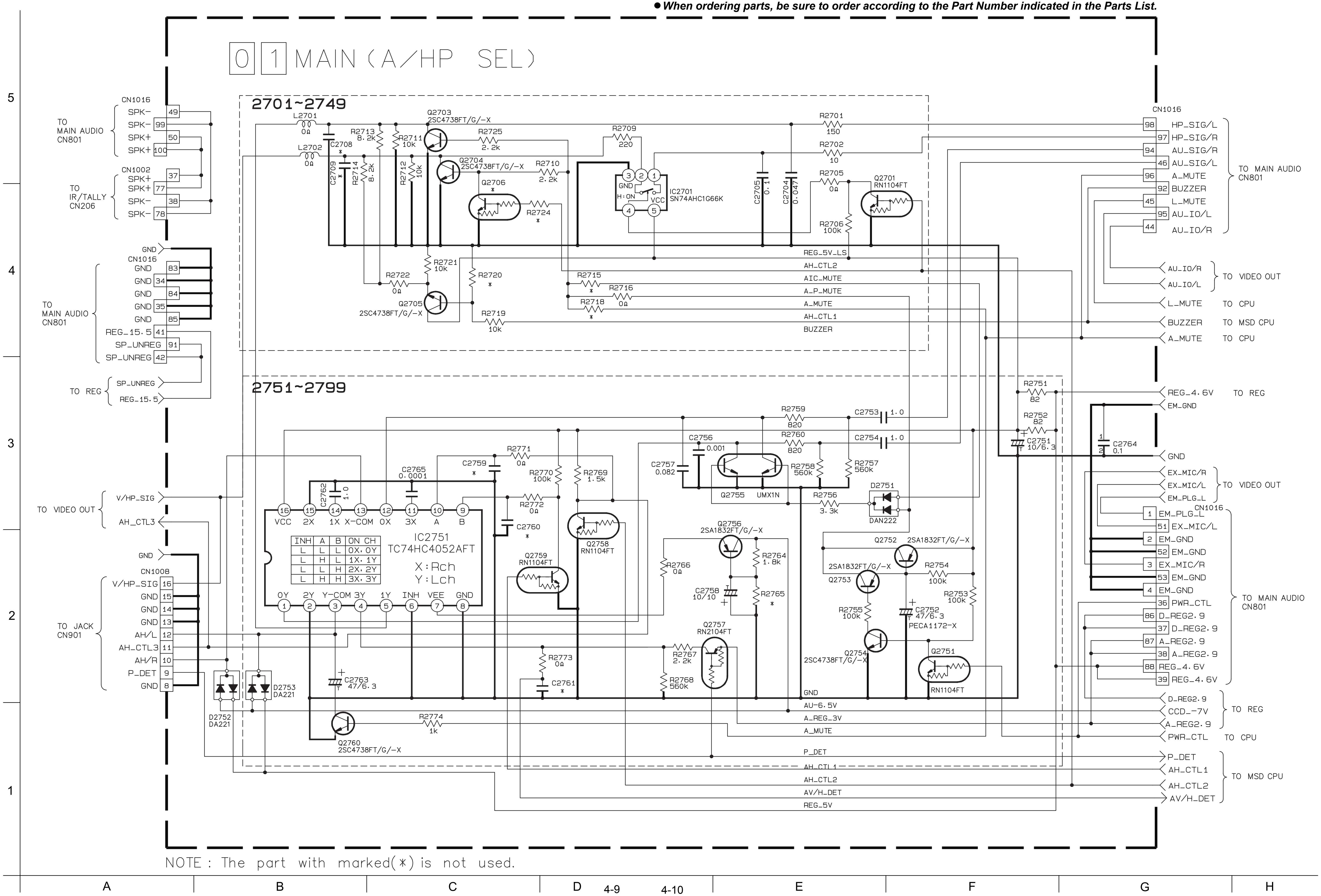
NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***


01 MAIN (MSD CPU)
IC1401
YQ44872A
TO REG
D_REG2.9
GND
CN1016
DV_DEM1
DV_DEM0
PWAD1
PWDA1
AUDIO_CS
AULCDCLK
AULCDIN
TO AUDIO AD/DA, MAIN AUDIO
TO W/B
IR_OUT
IR_AMP
TO IR/TALLY CN206
TALLY
IR_RMC
TO DVMAIN FRP
TO DVEQ/DVANA SPA
TO DVMAIN TSR
TO DVMAIN, DVEQ/DVANA, PRE/REC HID
TO DSP CAM_VD
TO AUDIO AD/DA CN801
PWDA2
PWAD2
MD_DEM1
MP_MUTE
TO AUDIO NR CN801
ANR_CS
TO A/HP SEL EM_PLG_L
TO MAIN AUDIO (CN1016-73) INT_L
M_RVS
ROM_CS
VF_CS
M_CS
AULCDCLK
AULCDIN
AULCDOUT
LCD_L/R
LCD_U/D
LCD_BLON
VF_ON
VF_LCD
VFROM_CS
BUZZER
TO A/HP SEL
AV/H_DET
AH_CTL1
AH_CTL2
TO VIDEO OUT
ASPECT1
ASPECT2
AGC_RST
S_DC_IN
TO ANALOG VIDEO I/O
TBC_VD
TBC_CLK
TBC_SDI
TBC_SDO
TBC_CS
TBC_RST
TO VIDEO OUT ANALOG VIDEO I/O
EXT_IN_L
EXT_IN_H
TO ANALOG VIDEO I/O
S_IN_L
NOINT
TO MDA CN1002
REG_4.6V
TO REG
REG_4.6V
TO CPU
EEPROM_CS
SRV_CS
S_CLK
S_DT_IN
S_DT_OUT
SRV_RDY
SRV_RST
TO CPU
OSD_CLK
OSD_DATA
OSD_CS
TO CPU
PWR_CTL
V_MUTE
SCR_UD
SCR_LR
ODD_EVEN
SRV_RX
SRV_TX
AL_3VSYS
TO REG
D_GAIN
IC1403 TC7W66FK
Q1408 RN1104FT
TO MDA CN206
DRUM_REF
CAP_REF
CAP_FG
DRUM_FG
MDA_CLK
MDA_IN
MDA_CS
CAP_BRK
LD_ON
TO SHUTTER MDA
S_OPEN
S_CLOSE
OPEN_SW
CLOSE_SW
Q1406 2SC4738FT
D1401 DA221
Q1407 DTC124EE
CAP_PWR
DRUM_PWR
CAP_ERR
DRUM_ERR
TO REG
TO MDA CN206
Q1405 DTC143EE
P_DET
S_DET
REM_OUT
TO A/HP SEL
TO VIDEO OUT
IC1402 TC7W14FK
S1401 MENU WHEEL
KEY_SOND
KEY_INDX
KEY_MODE
KEY_SLOW
KEY_PRNT
KEY_PFRM
TO IR/TALLY CN206
REC_DSC
REC_VIDEO
REC_DUAL
REC_PS
TO AUDIO NR CN801
TAPE_LED
Q1403 UMC3N
REEL_LED
Q1402 UMC3N
KEY_A/M
KEY_CBAK
KEY_C
T_REEL
S_REEL
TAPE_LED
REEL_LED
S_SENS
E_SENS
DEW_SENS
MIC3
MIC2
MIC1
REC_SAFE
Q1401 DTA114EE
KEY_STOP
ZOOM_SW
CN1005
CAM_SW_A
CAM_SW_B
CAM_SW_C
TO ROTARY ENCODER SW
TL1413
TL1412
PBH
REC_I
HID_3
TO PRE/REC
V_PB_L
TO DVEQ/DVANA
EG_RST
DV_RST
DV_CS
TO DVMAIN
EG_CS
TO DVEQ/DVANA
DV_WAIT
TO DVMAIN
DWE
DALE
DRWSEL
DRE
ADDT00
ADDT01
ADDT02
ADDT03
ADDT04
ADDT05
ADDT06
ADDT07
ADDT08
ADDT09
ADDT10
ADDT11
ADDT12
ADDT13
ADDT14
ADDT15
TO DVMAIN, DVEQ/DVANA
PHY_CNA
PHY_RST
PHY_PD
TO VIDEO OUT
ANA_PD
ANA_IO
ANA_CLK
ANA_CS
TO DVMAIN
TO DVEQ/DVANA
DCLK27
TO DSP
IC1405 TC4W53FU
JIG_SCK
JIG_MOD
JIG_SPT
TO DVEQ/DVANA
GND
D_REG2.9
TO MDA CN206
VPP
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.4 A/HP SEL SCHEMATIC DIAGRAM

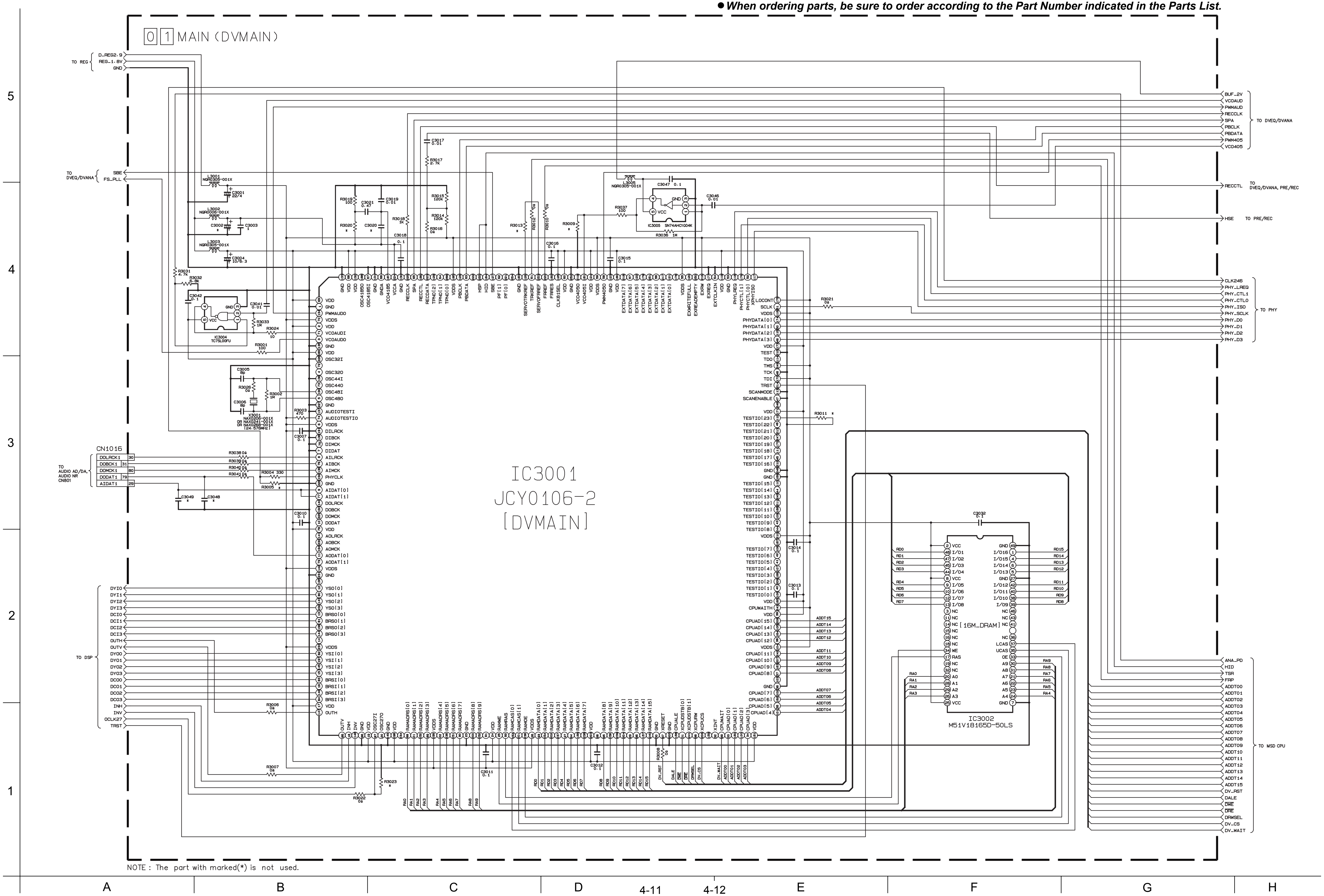
NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***


01 MAIN (A/HP SEL)
2701~2749
2751~2799
CN1016
SPK- 49
SPK- 99
SPK+ 50
SPK+ 100
TO MAIN AUDIO CN801
CN1002
SPK+ 37
SPK+ 77
SPK- 38
SPK- 78
TO IR/TALLY CN206
GND
CN1016
GND 83
GND 34
GND 84
GND 35
GND 85
REG_15.5 41
SP_UNREG 91
SP_UNREG 42
TO MAIN AUDIO CN801
SP_UNREG
REG_15.5
TO REG
V/HP_SIG
AH_CTL3
TO VIDEO OUT
GND
CN1008
V/HP_SIG 16
GND 15
GND 14
GND 13
AH/L 12
AH_CTL3 11
AH/R 10
P_DET 9
GND 8
TO JACK CN901
D2752 DA221
D2753 DA221
L2701 0Ω
L2702 0Ω
C2708 *
C2709 *
R2713 8.2k
R2714 8.2k
R2711 10k
R2712 10k
Q2703 2SC4738FT/G/-X
Q2704 2SC4738FT/G/-X
R2725 2.2k
R2710 2.2k
Q2706 *
R2724 *
R2721 10k
R2722 0Ω
Q2705 2SC4738FT/G/-X
R2720 *
R2719 10k
R2709 220
IC2701 SN74AHC1G66K
GND
H:ON
VCC
C2705 0.1
C2704 0.047
R2701 150
R2702 10
R2705 0Ω
R2706 100k
Q2701 RN1104FT
R2715 *
R2716 0Ω
R2718 *
REG_5V_LS
AH_CTL2
AIC_MUTE
A_P_MUTE
A_MUTE
AH_CTL1
BUZZER
CN1016
98 HP_SIG/L
97 HP_SIG/R
94 AU_SIG/R
46 AU_SIG/L
96 A_MUTE
92 BUZZER
45 L_MUTE
95 AU_IO/L
44 AU_IO/R
TO MAIN AUDIO CN801
AU_IO/R
AU_IO/L
TO VIDEO OUT
L_MUTE TO CPU
BUZZER TO MSD CPU
A_MUTE TO CPU
R2751 82
R2752 82
C2751 10/6.3
REG_4.6V TO REG
EM_GND
C2764 0.1
GND
EX_MIC/R
EX_MIC/L
EM_PLG_L
TO VIDEO OUT
CN1016
1 EM_PLG_L
51 EX_MIC/L
2 EM_GND
52 EM_GND
3 EX_MIC/R
53 EM_GND
4 EM_GND
36 PWR_CTL
86 D_REG2.9
37 D_REG2.9
87 A_REG2.9
38 A_REG2.9
88 REG_4.6V
39 REG_4.6V
TO MAIN AUDIO CN801
D_REG2.9
CCD_-7V
A_REG2.9
TO REG
PWR_CTL TO CPU
P_DET
AH_CTL1
AH_CTL2
AV/H_DET
TO MSD CPU
C2765 0.0001
C2762 1.0
C2759 *
R2771 0Ω
R2772 0Ω
C2760 *
R2770 100k
R2769 1.5k
Q2758 RN1104FT
Q2759 RN1104FT
16 VCC
15 2X
14 1X
13 X-COM
12 0X
11 3X
10 A
9 B
IC2751 TC74HC4052AFT
X:Rch
Y:Lch
INH A B ON CH
L L L 0X, 0Y
L L H 1X, 1Y
L H L 2X, 2Y
L H H 3X, 3Y
1 0Y
2 2Y
3 Y-COM
4 3Y
5 1Y
6 INH
7 VEE
8 GND
C2763 47/6.3
Q2760 2SC4738FT/G/-X
R2774 1k
R2773 0Ω
C2761 *
C2756 0.001
C2757 0.082
R2759 820
R2760 820
R2758 560k
R2757 560k
Q2755 UMX1N
R2756 3.3k
C2753 1.0
C2754 1.0
D2751 DAN222
Q2756 2SA1832FT/G/-X
R2764 1.8k
R2766 0Ω
C2758 10/10
R2765 *
Q2757 RN2104FT
R2767 2.2k
R2768 560k
Q2752 2SA1832FT/G/-X
Q2753 2SA1832FT/G/-X
R2754 100k
R2753 100k
R2755 100k
C2752 47/6.3 PECA1172-X
Q2754 2SC4738FT/G/-X
Q2751 RN1104FT
GND
AU-6.5V
A_REG_3V
A_MUTE
P_DET
AH_CTL1
AH_CTL2
AV/H_DET
REG_5V
1
2
3
4
5
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.5 DVMAIN SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



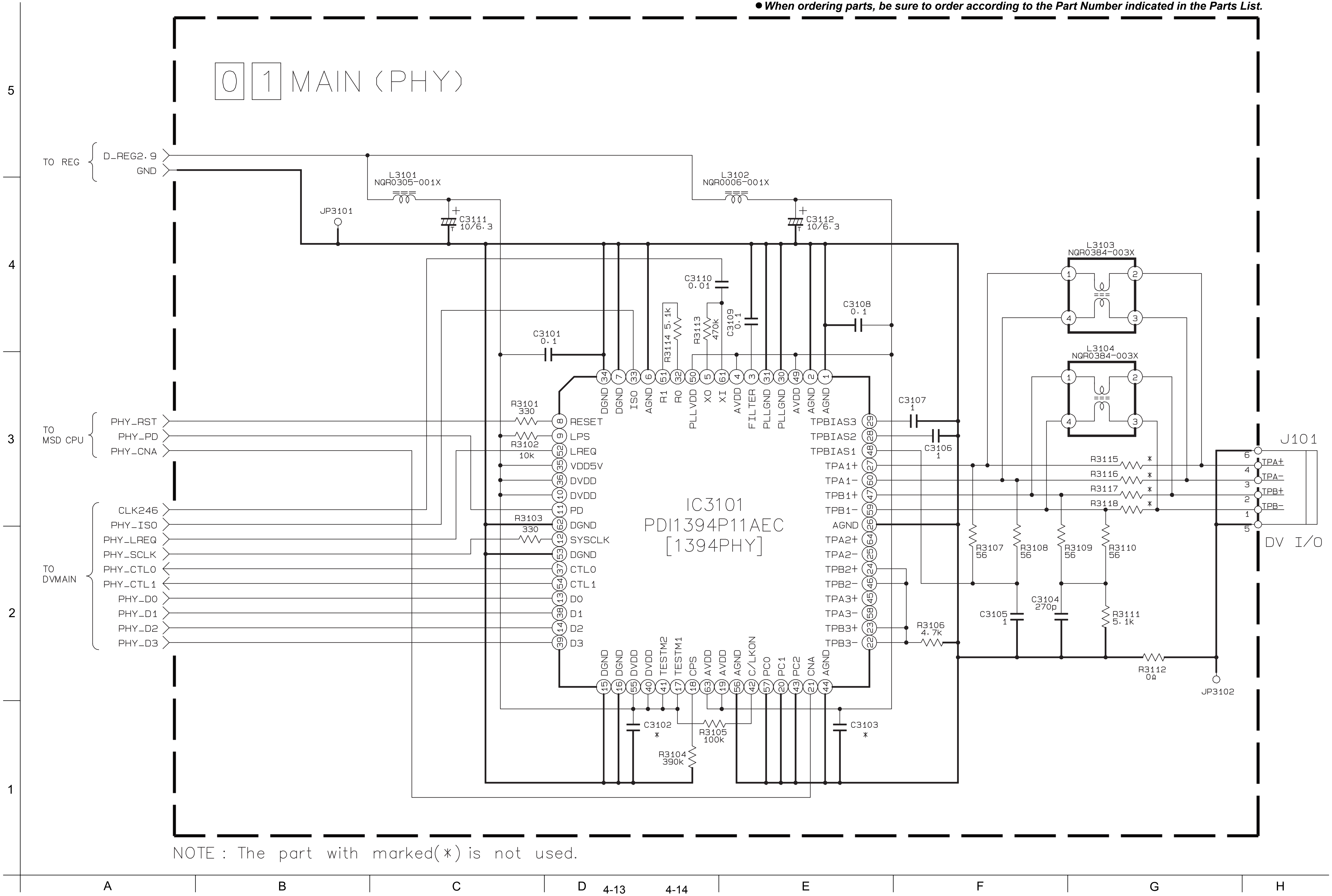
0 1 MAIN (DVMAIN)
TO REG
D_REG2.9
REG_1.8V
GND
TO DVEQ/DVANA
SBE
FS_PLL
TO AUDIO AD/DA, AUDIO NR CN801
CN1016
DOLRCK1 30
DOBCK1 31
DOMCK1 80
DODAT1 79
AIDAT1 29
TO DSP
DYI0
DYI1
DYI2
DYI3
DCI0
DCI1
DCI2
DCI3
OUTH
OUTV
DYO0
DYO1
DYO2
DYO3
DCO0
DCO1
DCO2
DCO3
INH
INV
DCLK27
TRST
L3001 NQR0305-001X
C3001 22/4
L3002 NQR0006-001X
C3002 *
C3003 1
L3003 NQR0305-001X
C3004 10/6.3
R3031 4.7k
R3032 6.8k
C3042 0.1
C3041 0.01
R3033 1M
R3024 10
IC3004 TC7SL00FU
R3001 100
C3005 8p
R3026 0Ω
R3002 1M
C3006 8p
X3001 NAX0206-001X OR NAX0241-001X OR NAX0258-001X (24.576MHz)
R3003 470
C3007 0.1
R3038 0Ω
R3039 0Ω
R3040 0Ω
R3041 0Ω
R3004 330
R3005 *
C3049 *
C3048 *
C3010 0.1
R3006 0Ω
R3007 0Ω
R3022 0Ω
R3023 *
R3019 100
C3021 0.47
C3019 0.01
R3020 *
C3020 *
R3018 1k
C3018 0.1
C3017 0.01
R3017 2.7k
R3015 120k
R3014 120k
R3016 0Ω
R3013 *
R3012 0Ω
R3010 0Ω
R3009 *
C3016 0.1
C3015 0.1
L3005 NQR0305-001X
C3047 0.1
R3037 100
IC3005 SN74AHC1G04K
R3036 1M
C3046 0.01
R3021 0Ω
R3011 *
C3014 0.1
C3013 0.1
C3011 0.1
C3012 0.1
R3008 0Ω
IC3001
JCY0106-2
[DVMAIN]
C3032 0.1
[16M_DRAM]
IC3002
M51V18165D-50LS
TO DVEQ/DVANA
BUF_2V
VCOAUD
PWMAUD
RECCLK
SPA
PBCLK
PBDATA
PWM405
VCO405
RECCTL
TO DVEQ/DVANA, PRE/REC
HSE
TO PRE/REC
TO PHY
CLK246
PHY_LREQ
PHY_CTL1
PHY_CTL0
PHY_ISO
PHY_SCLK
PHY_D0
PHY_D1
PHY_D2
PHY_D3
TO MSD CPU
ANA_PD
HID
TSR
FRP
ADDT00
ADDT01
ADDT02
ADDT03
ADDT04
ADDT05
ADDT06
ADDT07
ADDT08
ADDT09
ADDT10
ADDT11
ADDT12
ADDT13
ADDT14
ADDT15
DV_RST
DALE
DWE
DRE
DRWSEL
DV_CS
DV_WAIT

NOTE : The part with marked(*) is not used.

4.6 PHY SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***

● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



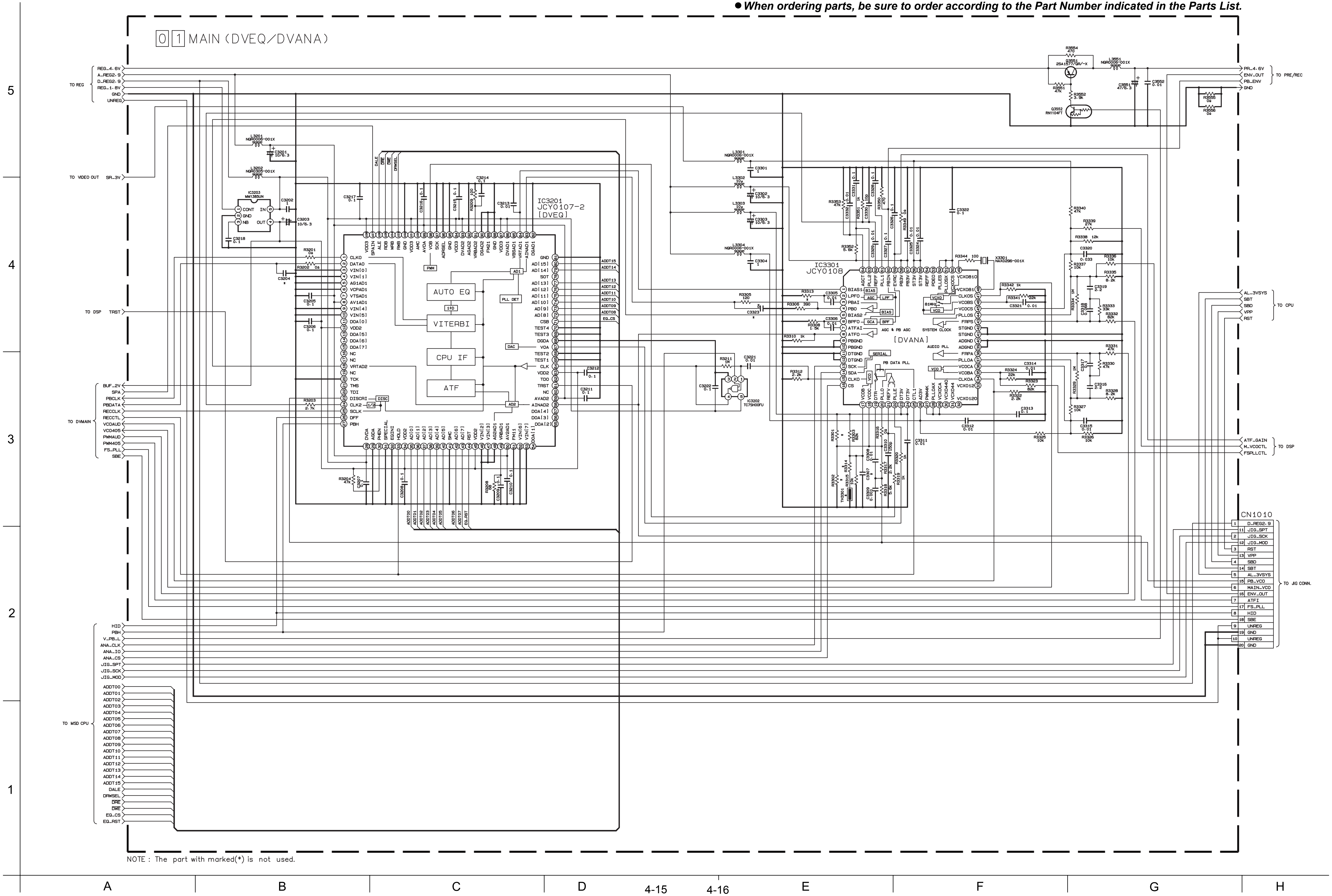
0 1 MAIN (PHY)
TO REG
D_REG2.9
GND
L3101
NQR0305-001X
JP3101
C3111
10/6.3
L3102
NQR0006-001X
C3112
10/6.3
C3110
0.01
R3114 5.1k
R3113
470k
C3109
0.1
C3108
0.1
C3101
0.1
L3103
NQR0384-003X
L3104
NQR0384-003X
TO MSD CPU
PHY_RST
PHY_PD
PHY_CNA
TO DVMAIN
CLK246
PHY_ISO
PHY_LREQ
PHY_SCLK
PHY_CTL0
PHY_CTL1
PHY_D0
PHY_D1
PHY_D2
PHY_D3
R3101
330
R3102
10k
R3103
330
RESET
LPS
LREQ
VDD5V
DVDD
DVDD
PD
DGND
SYSCLK
DGND
CTL0
CTL1
D0
D1
D2
D3
DGND
DGND
ISO
AGND
R1
R0
PLLVDD
X0
XI
AVDD
FILTER
PLLGND
PLLGND
AVDD
AGND
AGND
IC3101
PDI1394P11AEC
[1394PHY]
TPBIAS3
TPBIAS2
TPBIAS1
TPA1+
TPA1-
TPB1+
TPB1-
AGND
TPA2+
TPA2-
TPB2+
TPB2-
TPA3+
TPA3-
TPB3+
TPB3-
DGND
DGND
DVDD
DVDD
TESTM2
TESTM1
CPS
AVDD
AVDD
AGND
C/LKON
PC0
PC1
PC2
CNA
AGND
C3107
1
C3106
1
R3115
R3116
R3117
R3118
*
R3107
56
R3108
56
R3109
56
R3110
56
C3104
270p
C3105
1
R3111
5.1k
R3106
4.7k
R3112
0Ω
JP3102
C3102
*
C3103
*
R3105
100k
R3104
390k
J101
TPA+
TPA-
TPB+
TPB-
DV I/O
A
B
C
D
E
F
G
H
1
2
3
4
5

NOTE : The part with marked(*) is not used.

4.7 DVEQ/DVANA SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***

● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

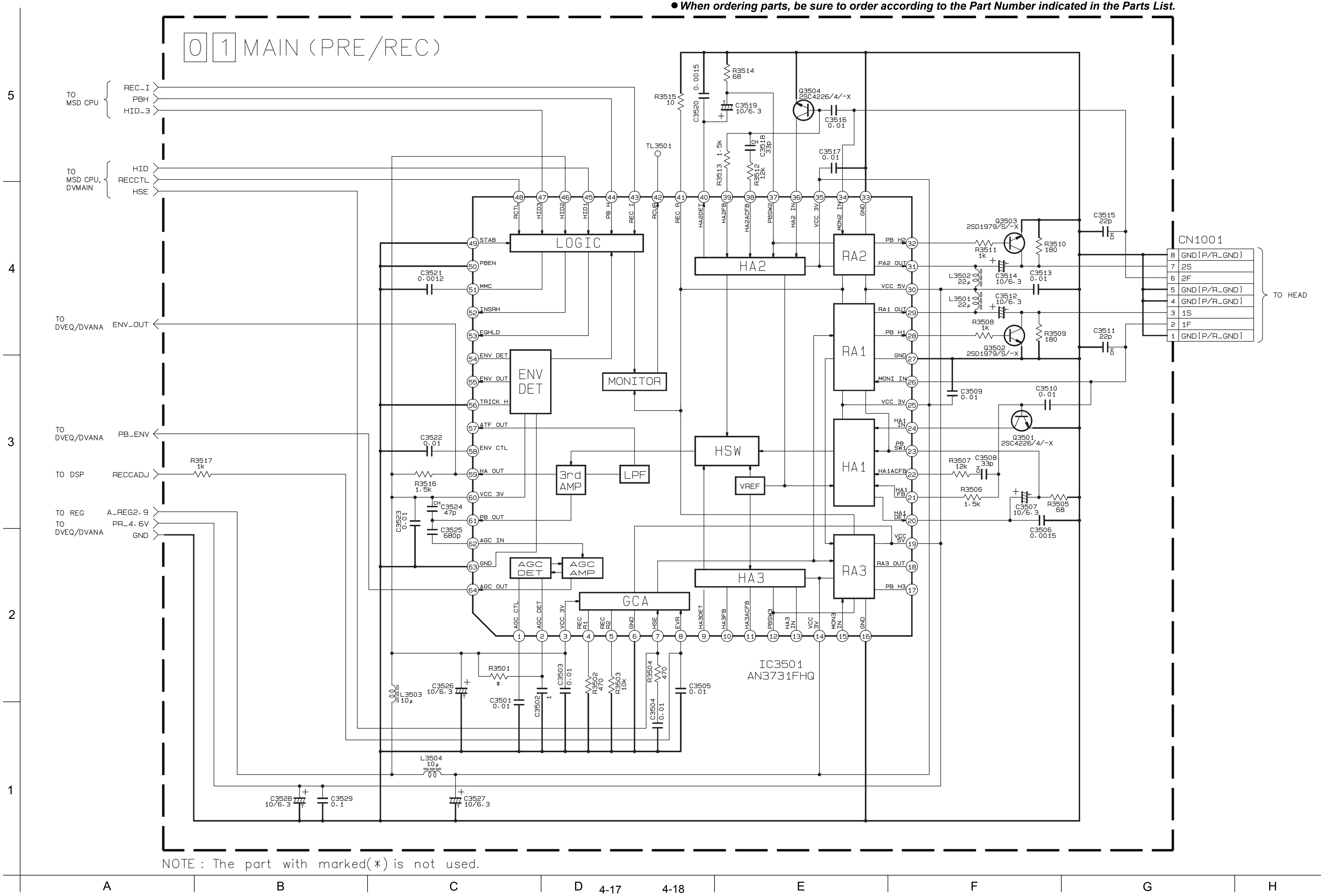


01 MAIN (DVEQ/DVANA)
TO REG
REG_4.6V
A_REG2.9
D_REG2.9
REG_1.8V
GND
UNREG
TO VIDEO OUT
SR_3V
TO DSP
TRST
TO DVMAIN
BUF_2V
SPA
PBCLK
PBDATA
RECCLK
RECCTL
VCOAUD
VCO405
PWMAUD
PWM405
FS_PLL
SBE
HID
PBH
V_PB_L
ANA_CLK
ANA_IO
ANA_CS
JIG_SPT
JIG_SCK
JIG_MOD
TO MSD CPU
ADDT00
ADDT01
ADDT02
ADDT03
ADDT04
ADDT05
ADDT06
ADDT07
ADDT08
ADDT09
ADDT10
ADDT11
ADDT12
ADDT13
ADDT14
ADDT15
DALE
DRWSEL
DRE
DWE
EQ_CS
EQ_RST
L3201 NQR0006-001X
C3201 10/6.3
L3202 NQR0006-001X
IC3203 MM1385UN
CONT
IN
GND
NB
OUT
C3202 1
C3203 10/6.3
C3218 0.1
C3217 0.1
C3214 0.1
C3213 0.01
IC3201
JCY0107-2
[DVEQ]
AUTO EQ
VITERBI
CPU IF
ATF
PWM
AD1
PLL DET
DAC
AD2
DISC
1/8
R3201 0a
R3202 0a
C3204
C3205 0.1
C3206 0.1
R3203 2.7k
R3204 47k
C3207
C3208 0.1
R3208 68
C3209 0.1
C3210 0.1
C3211 0.1
C3212 0.1
CLKO
DATAO
VIN[0]
VIN[1]
AG1AD1
VCPAD1
VTSAD1
AV1AD1
VIN[4]
VIN[5]
DOA[0]
VDD2
DOA[5]
DOA[6]
DOA[7]
NC
VRTAD2
TCK
TMS
TDI
DISCRI
CLK2
SCLK
DFF
PBH
GND
AD[15]
AD[14]
SOT
AD[13]
AD[12]
AD[11]
AD[10]
AD[9]
AD[8]
CSB
TEST4
TEST3
DGDA
TEST2
TEST1
VOA
CLK
TDO
TRST
AVAD2
AINAD2
DOA[4]
DOA[3]
DOA[2]
L3301 NQR0006-001X
C3301 1
L3302 10μ
C3302 10/6.3
L3303 10μ
C3303 10/6.3
L3304 NQR0006-001X
C3304 1
R3305 120
C3323
R3306 390
R3313
R3308 1.5k
R3310 1k
R3312 2.2k
R3211 1M
C3221 0.01
C3222 0.1
IC3202 TC7SH00FU
IC3301
JCY0108
[DVANA]
BIAS1
LPFO
PBAI
PBO
BIAS2
BPFO
ATFAI
ATFO
PBGND
DTGND
SCK
SDA
CLKO
CS
VCXO81
CLKOS
VCOBS
VCOCS
PLLOS
FRPS
STGND
ADGND
FRPA
PLLOA
VCOCA
VCOBA
CLKOA
VCXO12
VCXO12O
VCXO81O
AGC
LPF
BIAS
GCA
BPF
AGC & PB AGC
SYSTEM CLOCK
AUDIO PLL
SERIAL
PB DATA PLL
VCO
VCXO
81MHz
R3344 100
X3301 NAX0296-001X
R3342 1k
R3341 22k
C3321 0.01
R3353 47k
R3352 5.6k
C3322 0.1
R3340 47k
R3339 27k
R3338 12k
C3320 0.033
R3337 10k
R3336 10k
R3335 8.2k
C3319 2.2
R3334 1M
C3318 0.1
R3333 33k
R3332 82k
R3331 47k
R3330 47k
C3317 0.1
R3329 1M
C3316 2.2
R3328 8.2k
R3327 10k
C3315 0.01
R3326 10k
R3325 10k
C3314 0.01
R3324 22k
R3323 82k
R3322 2.2k
C3313 0.1
C3312 0.01
C3311 0.01
R3301
R3302
R3303 82k
R3314
R3315 10k
R3316
R3317 2.2k
R3318
R3319 1k
R3320
TH3301
C3307
C3308 0.1
C3309 0.1
C3310 150p
R3554 470
Q3551 2SA1577/QR/-X
L3551 NQR0006-001X
R3551 47K
R3552 3.3K
Q3552 RN1104FT
C3551 47/6.3
C3552 0.01
R3555 0a
R3556 0a
PR_4.6V
ENV_OUT
PB_ENV
GND
TO PRE/REC
AL_3VSYS
SBT
SBD
VPP
RST
TO CPU
ATF_GAIN
M_VCOCTL
FSPLLCTL
TO DSP
CN1010
D_REG2.9
JIG_SPT
JIG_SCK
JIG_MOD
RST
VPP
SBD
SBT
AL_3VSYS
PB_VCO
MAIN_VCO
ENV_OUT
ATFI
FS_PLL
HID
SBE
UNREG
GND
UNREG
GND
TO JIG CONN.
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.8 PRE/REC SCHEMATIC DIAGRAM

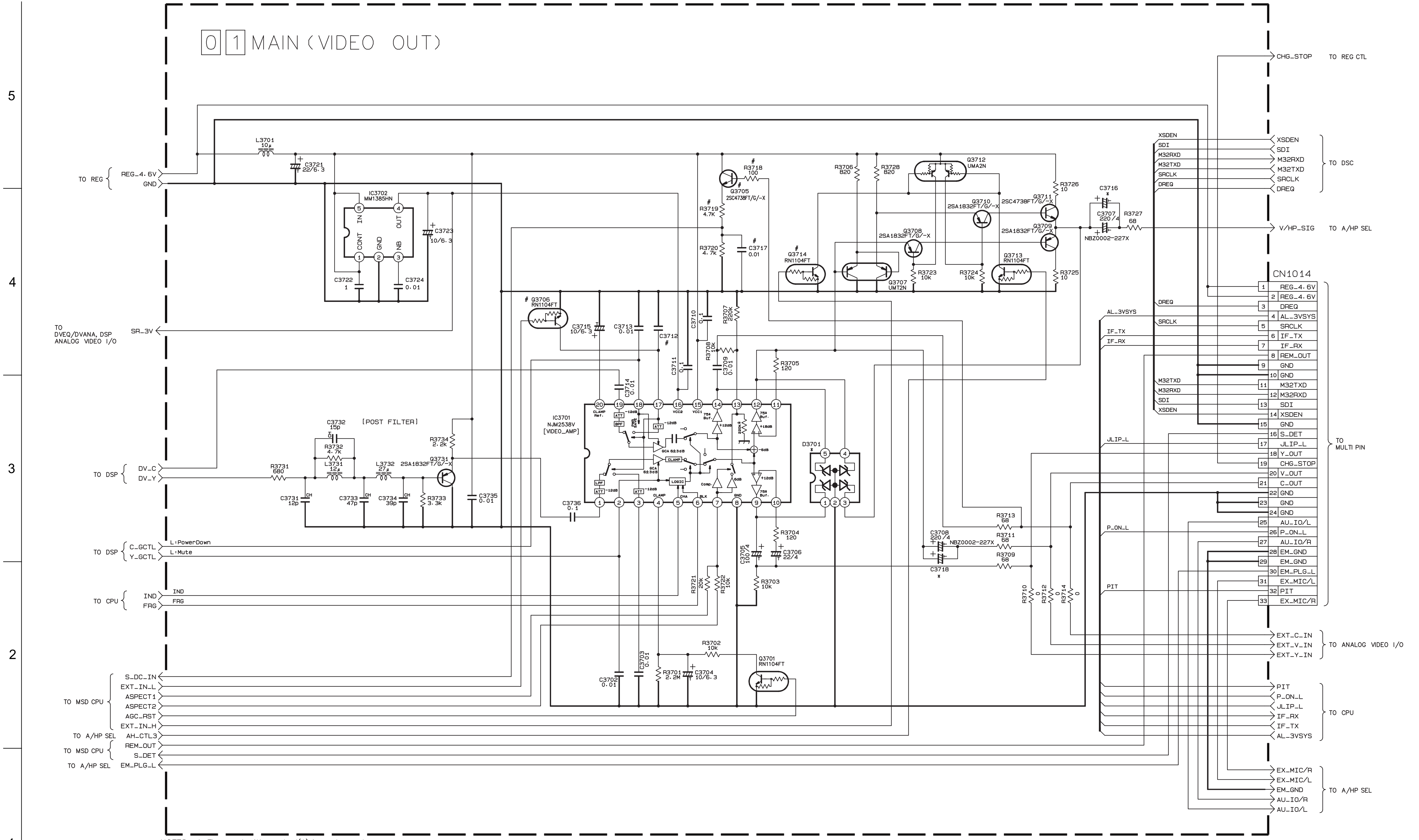
NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to “4.1 BOARD INTERCONNECTIONS”.***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***


01 MAIN (PRE/REC)
TO MSD CPU
REC_I
PBH
HID_3
TO MSD CPU, DVMAIN
HID
RECCTL
HSE
TO DVEQ/DVANA
ENV_OUT
TO DVEQ/DVANA
PB_ENV
TO DSP
RECCADJ
R3517 1k
TO REG
A_REG2.9
TO DVEQ/DVANA
PR_4.6V
GND
TL3501
R3515 10
C3520 0.0015
R3514 68
C3519 10/6.3
Q3504 2SC4226/4/-X
C3516 0.01
R3513 1.5k
C3518 33p
R3512 12k
C3517 0.01
RCTL
HID3
HID2
HID1
PB H
REC I
RCUE
REC R
HA2DET
HA2FB
HA2ACFB
PBSW2
HA2 IN
VCC 3V
MON2 IN
GND
LOGIC
HA2
RA2
RA1
HA1
RA3
HA3
HSW
VREF
LPF
3rd AMP
MONITOR
ENV DET
AGC DET
AGC AMP
GCA
STAB
PBEN
MMC
INSRH
EQHLD
ENV DET
ENV OUT
TRICK H
ATF OUT
ENV CTL
HA OUT
VCC 3V
PB OUT
AGC IN
GND
AGC OUT
C3521 0.0012
C3522 0.01
R3516 1.5k
C3523 0.01
C3524 47p
C3525 680p
PB H2
PA2 OUT
VCC 5V
RA1 OUT
PB H1
GND
MONI IN
VCC 3V
HA1 IN
PB SW1
HA1ACFB
HA1 FB
HA1 DET
VCC 5V
RA3 OUT
PB H3
Q3503 2SD1979/S/-X
R3511 1k
R3510 180
C3515 22p
L3502 22μ
C3514 10/6.3
C3513 0.01
L3501 22μ
C3512 10/6.3
R3508 1k
R3509 180
Q3502 2SD1979/S/-X
C3511 22p
C3509 0.01
C3510 0.01
Q3501 2SC4226/4/-X
R3507 12k
C3508 33p
R3506 1.5k
C3507 10/6.3
R3505 68
C3506 0.0015
CN1001
8 GND[P/R_GND]
7 2S
6 2F
5 GND[P/R_GND]
4 GND[P/R_GND]
3 1S
2 1F
1 GND[P/R_GND]
TO HEAD
AGC CTL
AGC DET
VCC 3V
REC R1
REC R2
GND
HSE
EVR
HA3DET
HA3FB
HA3ACFB
PBSW3
HA3 IN
VCC 3V
MON3 IN
GND
IC3501
AN3731FHQ
R3501 *
C3501 0.01
C3502 1
C3503 0.01
R3502 470
R3503 10k
R3504 470
C3504 0.01
C3505 0.01
C3526 10/6.3
L3503 10μ
L3504 10μ
C3528 10/6.3
C3529 0.1
C3527 10/6.3
1
2
3
4
5
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.9 VIDEO OUT SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



01 MAIN (VIDEO OUT)
5
4
3
2
1
TO REG
REG_4.6V
GND
TO DVEQ/DVANA, DSP ANALOG VIDEO I/O
SR_3V
TO DSP
DV_C
DV_Y
TO DSP
C_GCTL
Y_GCTL
L:PowerDown
L:Mute
TO CPU
IND
FRG
TO MSD CPU
S_DC_IN
EXT_IN_L
ASPECT1
ASPECT2
AGC_RST
EXT_IN_H
TO A/HP SEL
AH_CTL3
TO MSD CPU
REM_OUT
S_DET
TO A/HP SEL
EM_PLG_L
L3701 10μ
C3721 22/6.3
IC3702 MM1385HN
CONT
IN
GND
OUT
NB
C3722 1
C3723 10/6.3
C3724 0.01
Q3706 RN1104FT
C3715 10/6.3
C3713 0.01
C3712
C3710 0.1
C3711 0.1
C3714 0.01
R3707 220K
R3708 10K
C3709 0.01
R3705 120
IC3701 NJM2538V [VIDEO_AMP]
CLAMP Ref.
VCC2
VCC1
75Ω Buf.
CLAMP
LPF
ATT
BPF
LOGIC
CHA
BLK
GND
Comp.
SCA 6.23dB
C3736 0.1
C3732 15p
[POST FILTER]
R3732 4.7k
L3731 12μ
R3731 680
L3732 27μ
R3734 2.2k
Q3731 2SA1832FT/G/-X
C3731 12p
C3733 47p
C3734 39p
R3733 3.3k
C3735 0.01
R3718 100
Q3705 2SC4738FT/G/-X
R3719 4.7K
R3720 4.7K
C3717 0.01
R3706 820
R3728 820
Q3712 UMA2N
Q3710 2SA1832FT/G/-X
Q3711 2SC4738FT/G/-X
Q3709 2SA1832FT/G/-X
Q3708 2SA1832FT/G/-X
Q3714 RN1104FT
Q3707 UMT2N
R3723 10k
R3724 10k
Q3713 RN1104FT
R3726 10
R3725 10
C3716
C3707 220/4
R3727 68
NBZ0002-227X
D3701
R3704 120
C3705 100/4
C3706 22/4
R3703 10k
R3721 20k
R3722 10k
C3708 220/4
C3718
R3713 68
R3711 68
R3709 68
R3710 0
R3712 0
R3714 0
R3702 10k
Q3701 RN1104FT
R3701 2.2M
C3704 10/6.3
C3702 0.01
C3703 0.01
CHG_STOP
TO REG CTL
XSDEN
SDI
M32RXD
M32TXD
SRCLK
DREQ
TO DSC
V/HP_SIG
TO A/HP SEL
CN1014
1 REG_4.6V
2 REG_4.6V
3 DREQ
4 AL_3VSYS
5 SRCLK
6 IF_TX
7 IF_RX
8 REM_OUT
9 GND
10 GND
11 M32TXD
12 M32RXD
13 SDI
14 XSDEN
15 GND
16 S_DET
17 JLIP_L
18 Y_OUT
19 CHG_STOP
20 V_OUT
21 C_OUT
22 GND
23 GND
24 GND
25 AU_IO/L
26 P_ON_L
27 AU_IO/R
28 EM_GND
29 EM_GND
30 EM_PLG_L
31 EX_MIC/L
32 PIT
33 EX_MIC/R
TO MULTI PIN
AL_3VSYS
IF_TX
IF_RX
JLIP_L
P_ON_L
PIT
EXT_C_IN
EXT_V_IN
EXT_Y_IN
TO ANALOG VIDEO I/O
PIT
P_ON_L
JLIP_L
IF_RX
IF_TX
AL_3VSYS
TO CPU
EX_MIC/R
EX_MIC/L
EM_GND
AU_IO/R
AU_IO/L
TO A/HP SEL
A
B
C
D
E
F
G
H

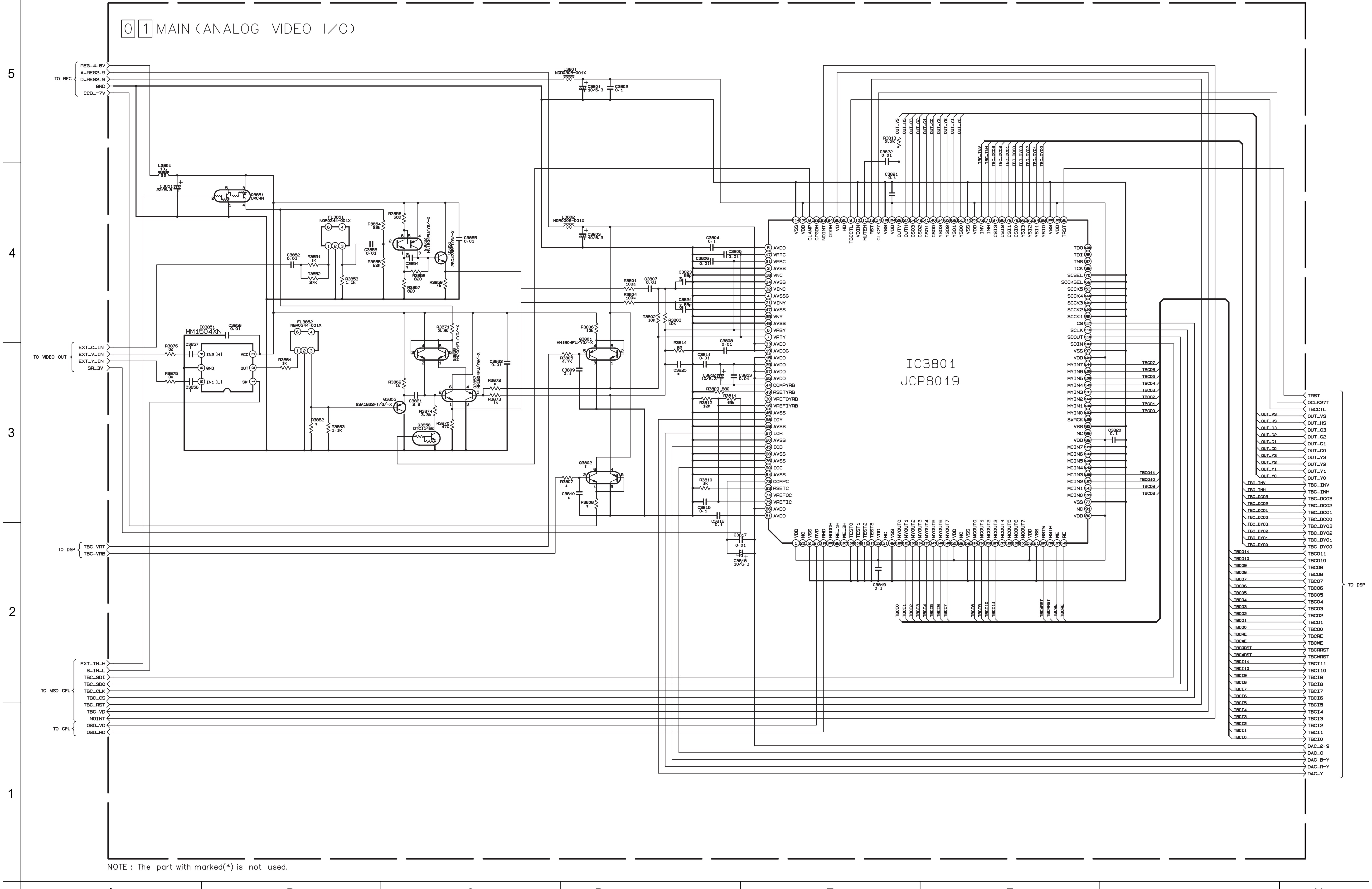
NOTES : 1. The part with marked(*) is not used.
2. COMPARISION CHART OF MODELS & MARKS(#).

REF. NO / MODELS	Q3705 Q3706 Q3714	R3718 R3719	C3712	C3717
GR-DVX8	OPEN	OPEN	0	OPEN
GR-DVX9	OPEN	OPEN	0	OPEN
GR-DVX10	USED	USED	0.01	USED

4.10 ANALOG VIDEO I/O SCHEMATIC DIAGRAM

NOTES:
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

(FOR DVX10)

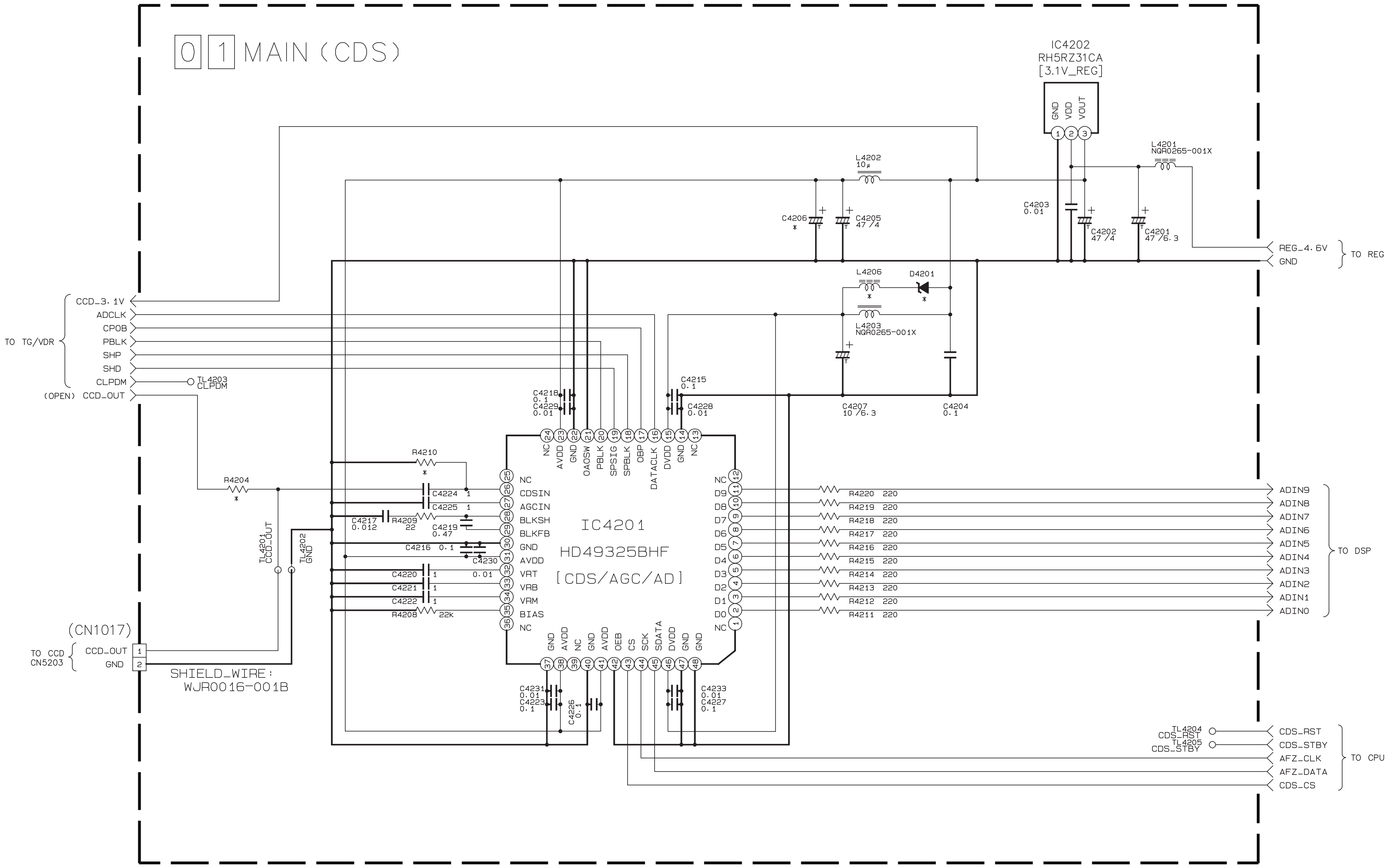


01 MAIN (ANALOG VIDEO I/O)
TO REG
REG_4.6V
A_REG2.9
D_REG2.9
GND
CCD_-7V
TO VIDEO OUT
EXT_C_IN
EXT_V_IN
EXT_Y_IN
SR_3V
TO DSP
TBC_VRT
TBC_VRB
TO MSD CPU
EXT_IN_H
S_IN_L
TBC_SDI
TBC_SDO
TBC_CLK
TBC_CS
TBC_RST
TBC_VD
NOINT
TO CPU
OSD_VD
OSD_HD
IC3851
MM1504XN
IC3801
JCP8019
L3801 NQR0305-001X
L3802 NQR0005-001X
L3851
FL3851 NQR0344-001X
FL3852 NQR0344-001X
Q3851 UMC4N
Q3852 HN1B04FU/Y6/-X
Q3853 2SC4738F/G/-X
Q3855 2SA1832FT/G/-X
Q3856 DTC114EE
Q3857 HN1B04FU/Y6/-X
Q3801 HN1B04FU/Y6/-X
Q3802
TO DSP
TRST
DCLK27T
TBCCTL
OUT_VS
OUT_HS
OUT_C3
OUT_C2
OUT_C1
OUT_C0
OUT_Y3
OUT_Y2
OUT_Y1
OUT_Y0
TBC_INV
TBC_INH
TBC_DCO3
TBC_DCO2
TBC_DCO1
TBC_DCO0
TBC_DYO3
TBC_DYO2
TBC_DYO1
TBC_DYO0
TBCO11
TBCO10
TBCO9
TBCO8
TBCO7
TBCO6
TBCO5
TBCO4
TBCO3
TBCO2
TBCO1
TBCO0
TBCRE
TBCWE
TBCRRST
TBCWRST
TBCI11
TBCI10
TBCI9
TBCI8
TBCI7
TBCI6
TBCI5
TBCI4
TBCI3
TBCI2
TBCI1
TBCI0
DAC_2.9
DAC_C
DAC_B-Y
DAC_R-Y
DAC_Y
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.11 CDS SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

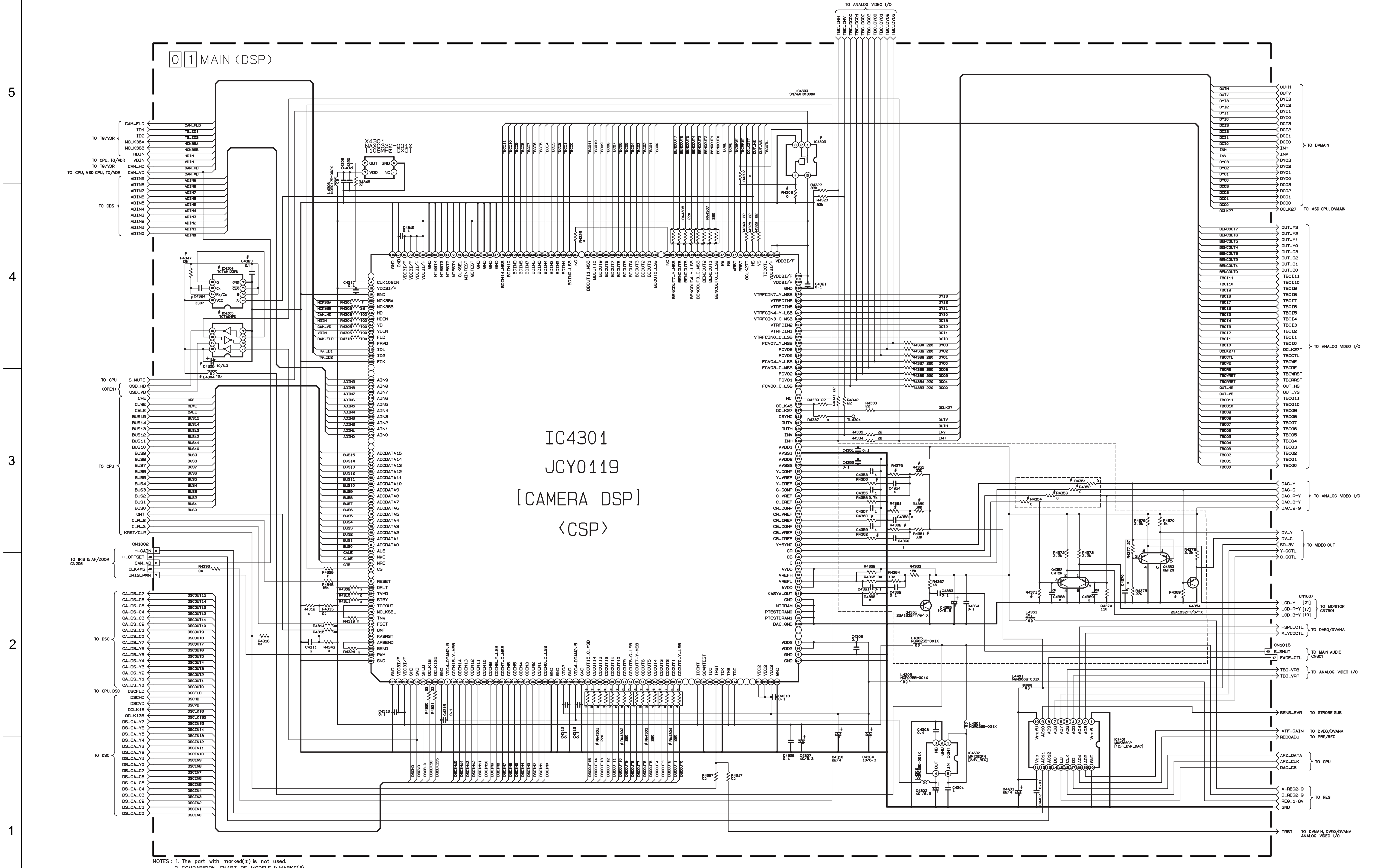


0 1 MAIN (CDS)
IC4202
RH5RZ31CA
[3.1V_REG]
GND
VDD
VOUT
L4201
NQR0265-001X
L4202
10μ
C4203
0.01
C4206
*
C4205
47/4
C4202
47/4
C4201
47/6.3
REG_4.6V
GND
TO REG
L4206
*
D4201
*
L4203
NQR0265-001X
C4207
10/6.3
C4204
0.1
CCD_3.1V
ADCLK
CPOB
PBLK
SHP
SHD
CLPDM
TO TG/VDR
(OPEN) CCD_OUT
TL4203
CLPDM
C4218
0.1
C4229
0.01
C4215
0.1
C4228
0.01
NC
AVDD
GND
GND
OAOSW
PBLK
SPSIG
SPBLK
OBP
DATACLK
DVDD
GND
NC
R4210
*
R4204
*
TL4201
CCD_OUT
TL4202
GND
C4224 1
C4225 1
C4217
0.012
R4209
22
C4219
0.47
C4216 0.1
C4230
0.01
C4220 1
C4221 1
C4222 1
R4208 22k
NC
CDSIN
AGCIN
BLKSH
BLKFB
GND
AVDD
VRT
VRB
VRM
BIAS
NC
IC4201
HD49325BHF
[CDS/AGC/AD]
NC
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
NC
R4220 220
R4219 220
R4218 220
R4217 220
R4216 220
R4215 220
R4214 220
R4213 220
R4212 220
R4211 220
ADIN9
ADIN8
ADIN7
ADIN6
ADIN5
ADIN4
ADIN3
ADIN2
ADIN1
ADIN0
TO DSP
GND
AVDD
NC
GND
AVDD
OEB
CS
SCK
SDATA
DVDD
GND
GND
(CN1017)
TO CCD
CN5203
CCD_OUT
GND
SHIELD_WIRE:
WJR0016-001B
C4231
0.01
C4223
0.1
C4226
0.1
C4233
0.01
C4227
0.1
TL4204
CDS_RST
TL4205
CDS_STBY
CDS_RST
CDS_STBY
AFZ_CLK
AFZ_DATA
CDS_CS
TO CPU
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.12 DSP SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



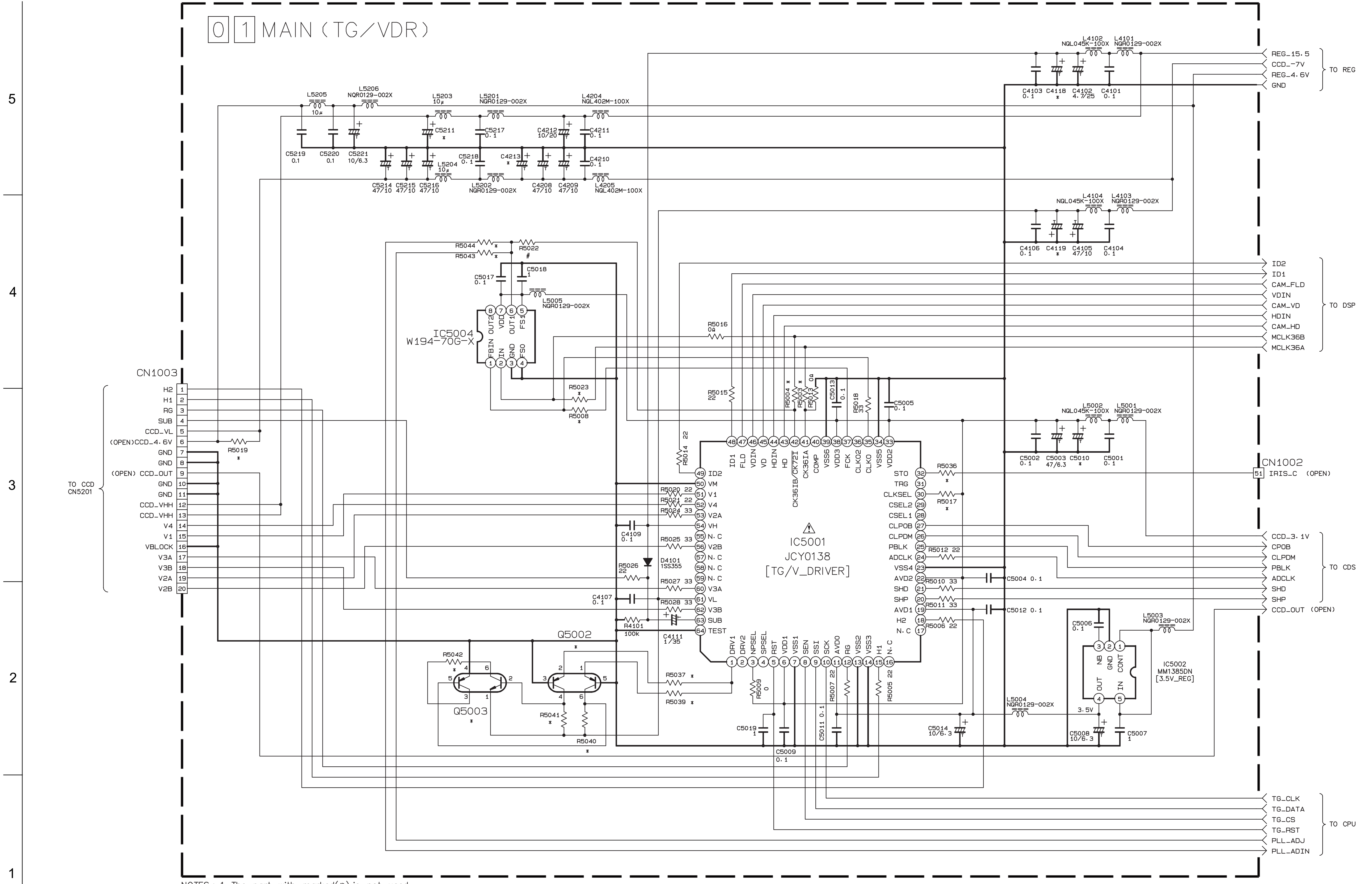
01 MAIN (DSP)
IC4301
JCY0119
[CAMERA DSP]
<CSP>
TO ANALOG VIDEO I/O
TO TG/VDR
TO CPU, TG/VDR
TO TG/VDR
TO CPU, MSD CPU, TG/VDR
TO CDS
TO CPU
(OPEN)
TO CPU
TO IRIS & AF/ZOOM CN206
CN1002
TO DSC
TO CPU, DSC
TO DSC
X4301 NAX0332-001X [108MHz_CXO]
IC4303 SN74AHC1G08K
IC4304 TC7WH123FK
IC4305 TC7WU04FK
TO DVMAIN
TO MSD CPU, DVMAIN
TO ANALOG VIDEO I/O
TO ANALOG VIDEO I/O
TO VIDEO OUT
CN1007
TO MONITOR CN7501
TO DVEQ/DVANA
CN1015
TO MAIN AUDIO CN501
TO ANALOG VIDEO I/O
TO STROBE SUB
TO DVEQ/DVANA
TO PRE/REC
TO CPU
TO REG
TO DVMAIN, DVEQ/DVANA ANALOG VIDEO I/O
IC4302 NJM2882F-04 [2.4V_REG]
IC4401 M62360FP [12ch_EVR_DAC]
Q4351 2SA1832F(T/G/-X
Q4352 UMT2N
Q4353 UMT2N
Q4354 2SA1832F(T/G/-X
1
2
3
4
5
A
B
C
D
E
F
G
H

NOTES : 1. The part with marked(*) is not used.
2. COMPARISION CHART OF MODELS & MARKS(#).

MODELS \ REF. NO	IC4303	IC4304 IC4305	R4308,R4347 R4351~R4355	R4356	R4358 R4360 R4362	R4359	R4369	R4371	R4379 R4381 R4382	RA4301 ~ RA4304	C4305	C4323 C4324	L4304
GR-DVX8	OPEN	USED	USED	33K	16K	USED	180	68	27K	OPEN	USED	USED	USED
GR-DVX9	OPEN	USED	USED	33K	16K	USED	180	68	27K	USED	USED	USED	USED
GR-DVX10	USED	OPEN	OPEN	27K	2.7K	OPEN	100	75	33K	USED	OPEN	OPEN	OPEN

4.13 TG/VDR SCHEMATIC DIAGRAM

NOTES: ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



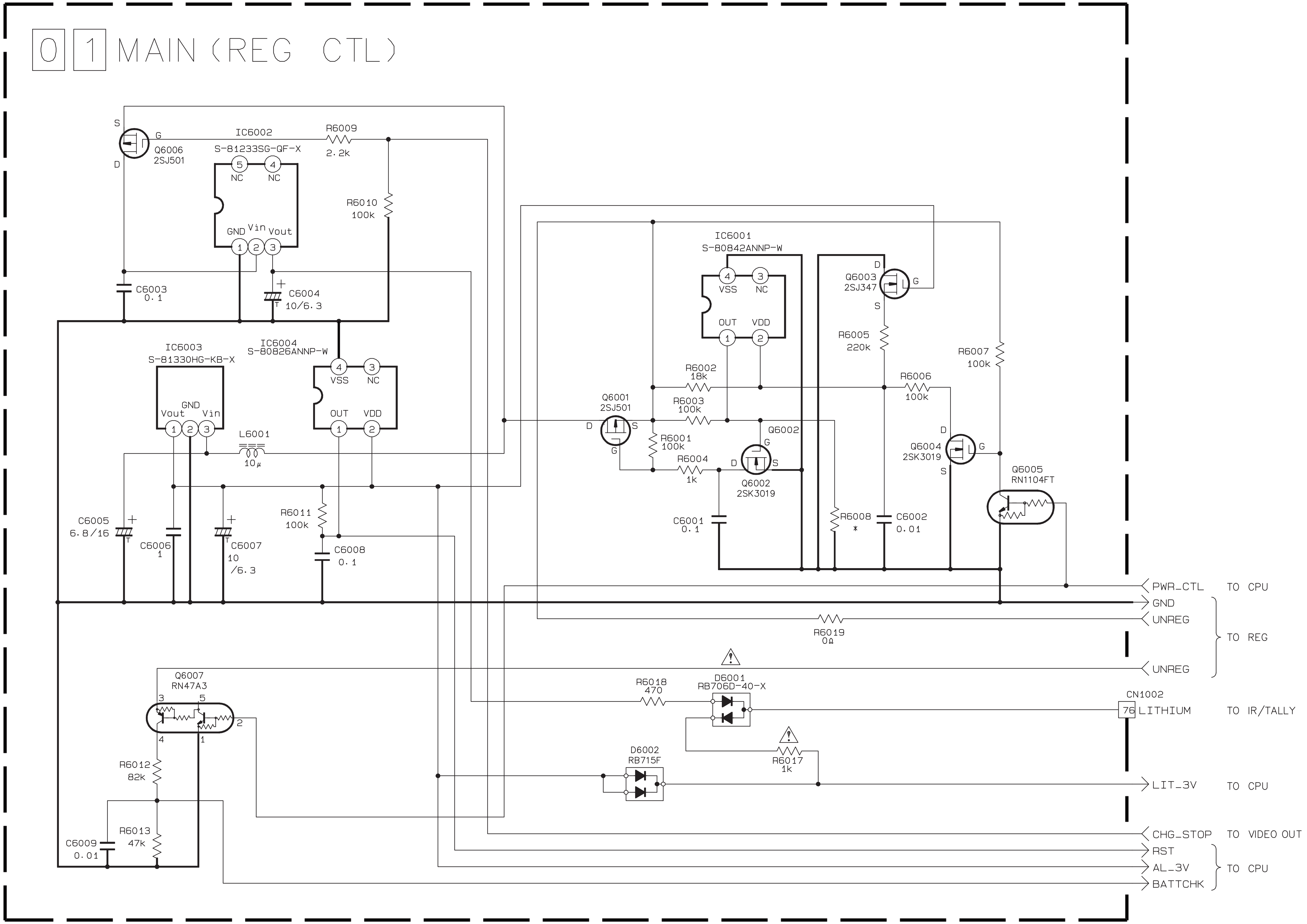
01 MAIN (TG/VDR)
IC5001
JCY0138
[TG/V_DRIVER]
IC5004
W194-70G-X
IC5002
MM1385DN
[3.5V_REG]
Q5002
Q5003
D4101 1SS355
CN1003
H2
H1
RG
SUB
CCD_VL
(OPEN)CCD_4.6V
GND
GND
(OPEN) CCD_OUT
GND
GND
CCD_VHH
CCD_VHH
V4
V1
VBLOCK
V3A
V3B
V2A
V2B
TO CCD CN5201
CN1002
IRIS_C (OPEN)
REG_15.5
CCD_-7V
REG_4.6V
GND
TO REG
ID2
ID1
CAM_FLD
VDIN
CAM_VD
HDIN
CAM_HD
MCLK36B
MCLK36A
TO DSP
CCD_3.1V
CPOB
CLPDM
PBLK
ADCLK
SHD
SHP
TO CDS
CCD_OUT (OPEN)
TG_CLK
TG_DATA
TG_CS
TG_RST
PLL_ADJ
PLL_ADIN
TO CPU
3.5V

NOTES : 1. The part with marked(*) is not used.
2. COMPARISION CHART OF MODELS & MARKS(#).

REF. NO / MODELS	R5022
GR-DVX8/DVX9	180
GR-DVX10	120

4.14 REG CTL SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

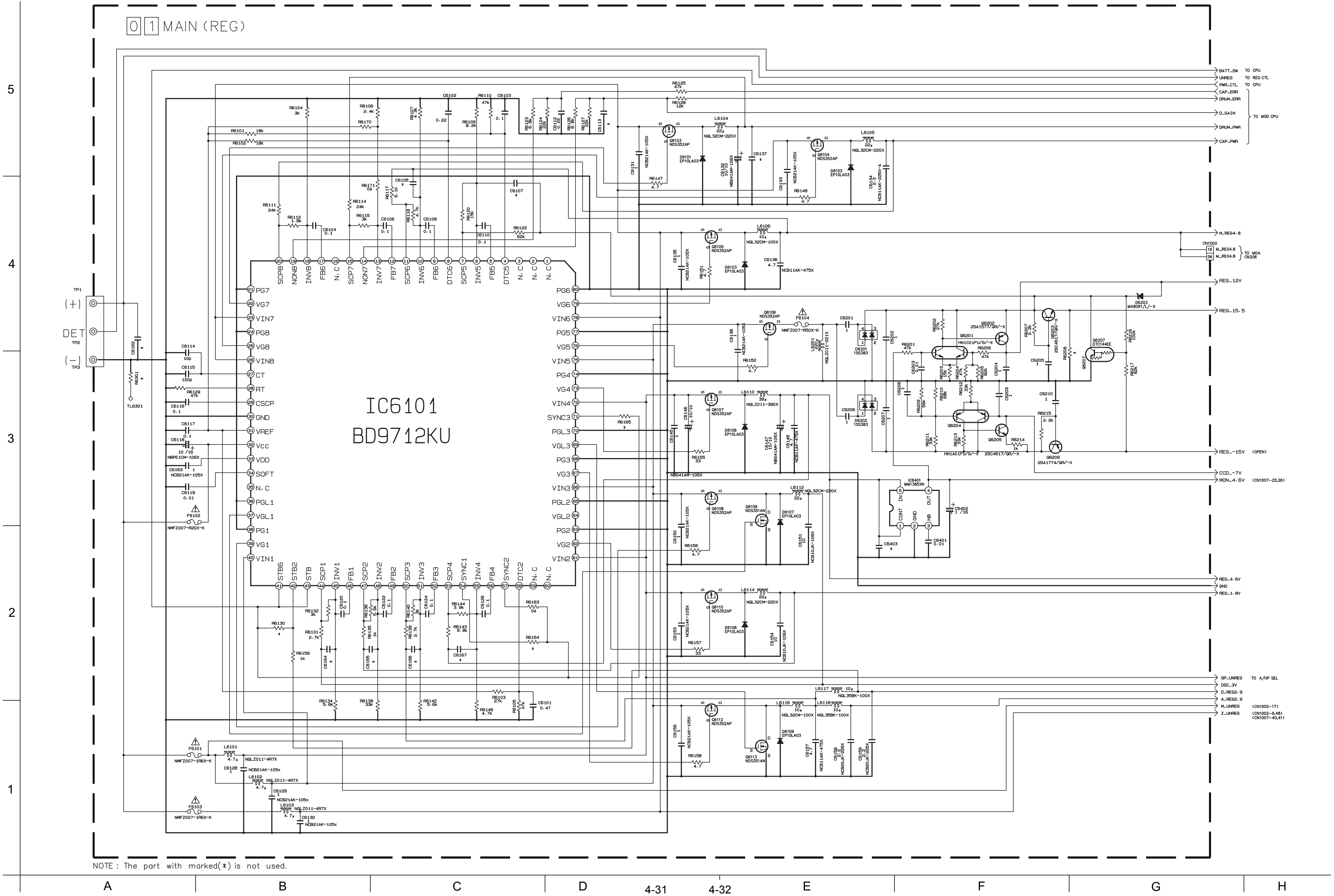


01 MAIN (REG CTL)
Q6006
2SJ501
S
G
D
IC6002
S-81233SG-QF-X
5 NC
4 NC
GND Vin Vout
1 2 3
R6009
2.2k
R6010
100k
C6003
0.1
C6004
10/6.3
IC6003
S-81330HG-KB-X
GND
Vout Vin
1 2 3
IC6004
S-80826ANNP-W
4 VSS
3 NC
OUT VDD
1 2
L6001
10μ
C6005
6.8/16
C6006
1
C6007
10
/6.3
R6011
100k
C6008
0.1
IC6001
S-80842ANNP-W
4 VSS
3 NC
OUT VDD
1 2
Q6003
2SJ347
D
G
S
R6005
220k
R6007
100k
R6006
100k
R6002
18k
R6003
100k
Q6001
2SJ501
D
S
G
R6001
100k
R6004
1k
Q6002
2SK3019
G
D
S
Q6004
2SK3019
D
G
S
Q6005
RN1104FT
C6001
0.1
R6008
*
C6002
0.01
R6019
0Ω
PWR_CTL
GND
UNREG
UNREG
TO CPU
TO REG
Q6007
RN47A3
3 5
4 1
2
R6012
82k
R6013
47k
C6009
0.01
R6018
470
D6001
RB706D-40-X
CN1002
76 LITHIUM
TO IR/TALLY
R6017
1k
D6002
RB715F
LIT_3V
TO CPU
CHG_STOP
TO VIDEO OUT
RST
AL_3V
BATTCHK
TO CPU
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.15 REGULATOR SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



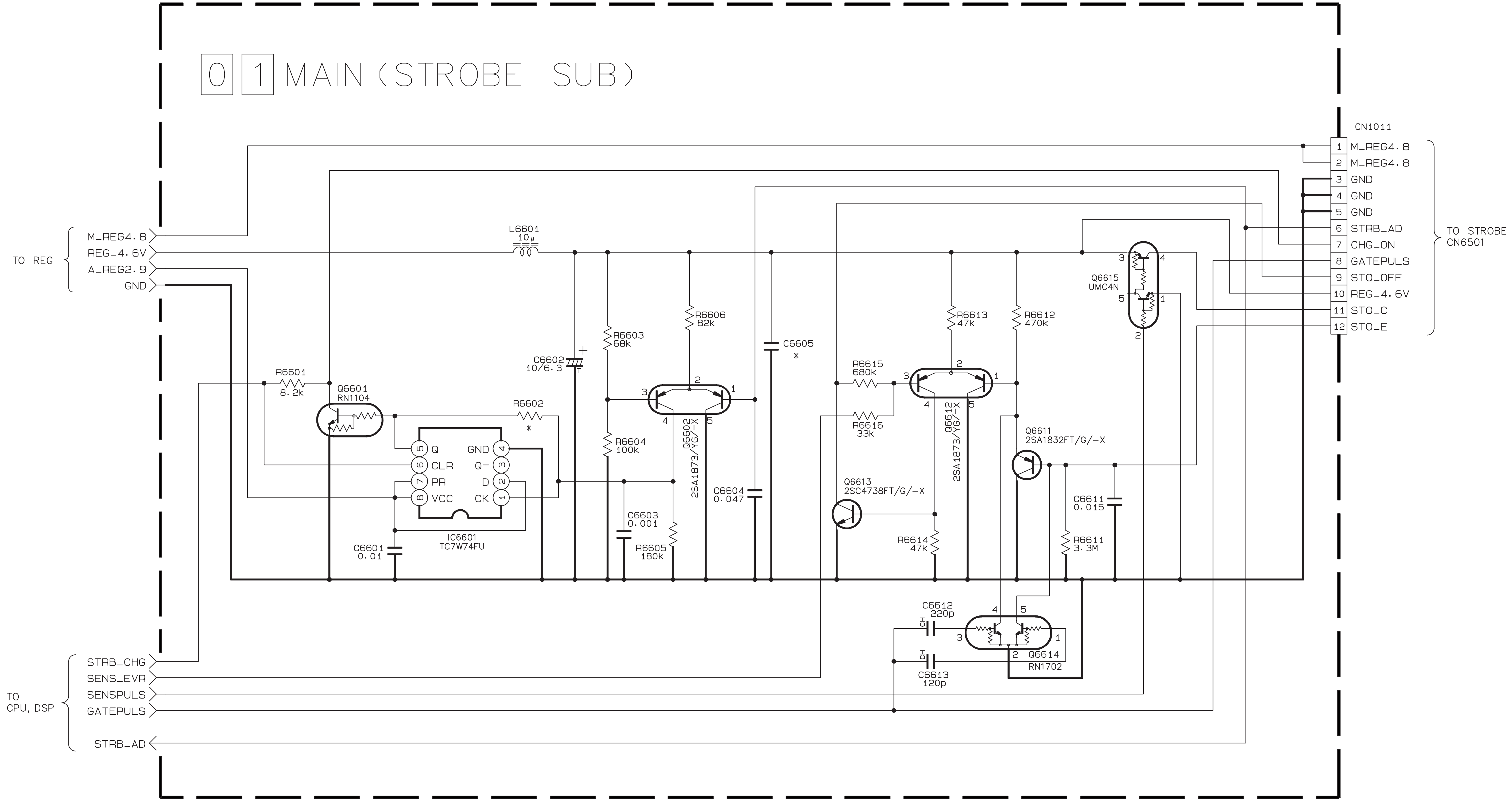
0 1 MAIN (REG)
IC6101
BD9712KU
SCP8
NON8
INV8
FB8
N.C
SCP7
NON7
INV7
FB7
SCP6
INV6
FB6
DTC6
SCP5
INV5
FB5
DTC5
PG7
VG7
VIN7
PG8
VG8
VIN8
CT
RT
CSCP
GND
VREF
Vcc
VDD
SOFT
PGL1
VGL1
PG1
VG1
VIN1
STB6
STB2
STB
SCP1
INV1
FB1
SCP2
INV2
FB2
SCP3
INV3
FB3
SCP4
SYNC1
INV4
FB4
SYNC2
DTC2
PG6
VG6
VIN6
PG5
VG5
VIN5
PG4
VG4
VIN4
SYNC3
PGL3
VGL3
PG3
VG3
VIN3
PGL2
VGL2
PG2
VG2
VIN2
TP1
(+)
DET
TP2
(−)
TP3
TL6301
F6101
NMFZ007-1R6X-K
F6102
NMFZ007-R20X-K
F6103
NMFZ007-1R6X-K
F6104
NMFZ007-R50X-K
L6101
NQLZ011-4R7X
L6102
NQLZ011-4R7X
L6103
NQLZ011-4R7X
L6104
NQL32CM-220X
L6105
NQL32CM-220X
L6106
NQL32CM-100X
L6110
NQLZ011-390X
L6112
NQL32CM-220X
L6114
NQL32CM-220X
L6116
NQL32CM-100X
L6117
NQL35BK-100X
L6118
NQL35BK-100X
Q6103
NDS352AP
Q6104
NDS352AP
Q6105
NDS352AP
Q6106
NDS352AP
Q6107
NDS352AP
Q6108
NDS352AP
Q6109
NDS351AN
Q6110
NDS352AP
Q6112
NDS352AP
Q6113
NDS351AN
D6101
EP10LA03
D6102
EP10LA03
D6103
EP10LA03
D6106
EP10LA03
D6107
EP10LA03
D6108
EP10LA03
D6109
EP10LA03
D6201
1SS383
D6202
1SS383
D6203
MA8091/L/-X
Q6201
HN1C01FU/G/-X
Q6202
2SA1577/QR/-X
Q6203
2SC4617/QR/-X
Q6204
HN1A01FU/G/-X
Q6205
2SC4617/QR/-X
Q6206
2SA1774/QR/-X
Q6207
DTC144EE
IC6401
MM1385XN
IN
OUT
CONT
GND
NB
CN1002
16
56
BATT_SW
TO CPU
UNREG
TO REG CTL
PWR_CTL
TO CPU
CAP_ERR
DRUM_ERR
D_GAIN
TO MSD CPU
DRUM_PWR
CAP_PWR
M_REG4.8
M_REG4.8
M_REG4.8
TO MDA
CN206
REG_12V
REG_15.5
REG_−15V
(OPEN)
CCD_−7V
MON_4.6V
(CN1007−25,26)
REG_4.6V
GND
REG_1.8V
SP_UNREG
TO A/HP SEL
DSC_3V
D_REG2.9
A_REG2.9
M_UNREG
(CN1002−17)
Z_UNREG
(CN1002−9,48)
(CN1007−40,41)
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.16 STROBE SUB SCHEMATIC DIAGRAM

NOTES:
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

(FOR DVX9/DVX10)

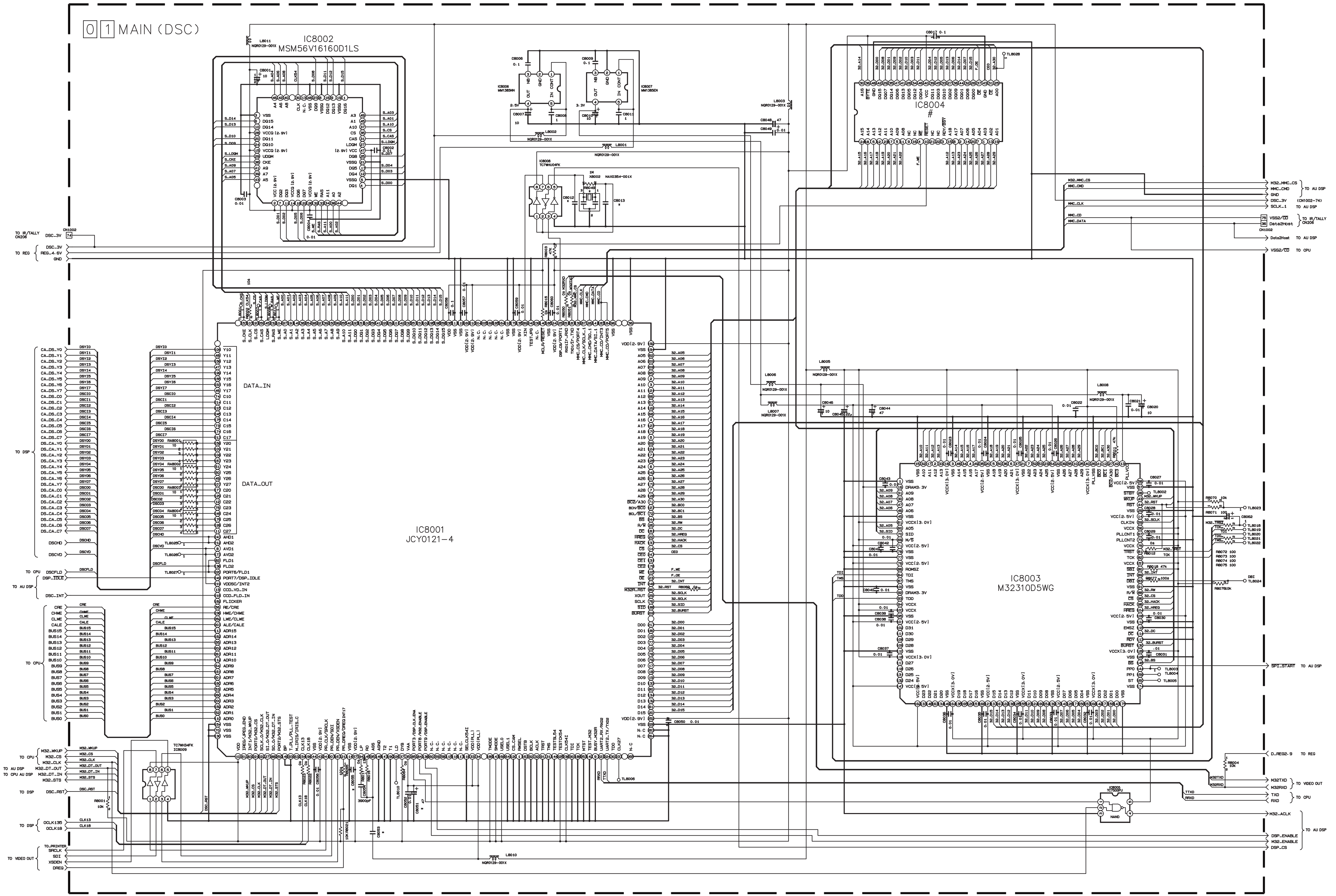


01 MAIN (STROBE SUB)
TO REG
M_REG4.8
REG_4.6V
A_REG2.9
GND
TO CPU, DSP
STRB_CHG
SENS_EVR
SENSPULS
GATEPULS
STRB_AD
L6601 10μ
R6601 8.2k
Q6601 RN1104
R6602 *
IC6601 TC7W74FU
Q
CLR
PR
VCC
GND
Q-
D
CK
C6601 0.01
C6602 10/6.3
R6603 68k
R6604 100k
C6603 0.001
R6605 180k
R6606 82k
Q6602 2SA1873/YG/-X
C6604 0.047
C6605 *
R6615 680k
R6616 33k
Q6613 2SC4738FT/G/-X
R6614 47k
R6613 47k
Q6612 2SA1873/YG/-X
R6612 470k
Q6611 2SA1832FT/G/-X
C6611 0.015
R6611 3.3M
Q6615 UMC4N
C6612 220p
C6613 120p
CH
Q6614 RN1702
CN1011
1 M_REG4.8
2 M_REG4.8
3 GND
4 GND
5 GND
6 STRB_AD
7 CHG_ON
8 GATEPULS
9 STO_OFF
10 REG_4.6V
11 STO_C
12 STO_E
TO STROBE CN6501
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.17 DSC SCHEMATIC DIAGRAM

(FOR DVX9/DVX10)


01 MAIN (DSC)
IC8002
MSM56V16160D1LS
IC8004
IC8006
MM1385HN
IC8007
MM1385EN
IC8008
TC7WHU04FK
IC8001
JCY0121-4
IC8003
M32310D5WG
IC8009
TC7WH34FK
IC8005
TC7S08FU
NAND
DATA_IN
DATA_OUT
TO IR/TALLY CN206
DSC_3V
CN1002
TO REG
DSC_3V
REG_4.6V
GND
TO DSP
TO CPU
TO AU DSP
TO CPU AU DSP
TO VIDEO OUT
TO_PRINTER
SRCLK
SDI
XSDEN
DREQ
M32_MMC_CS
MMC_CMD
GND
DSC_3V
SCLK_1
TO AU DSP
(CN1002-74)
MMC_CLK
MMC_DATA
VSS2/CD
Data2Host
Data2Host
VSS2/CD
TO CPU
SPI_START
D_REG2.9
M32TXD
M32RXD
TXD
RXD
M32_ACLK
DSP_ENABLE
M32_ENABLE
DSP_CS
CLK13
CLK18
OCLK135
OCLK18
DSC_RST
M32_WKUP
M32_CS
M32_CLK
M32_DT_OUT
M32_DT_IN
M32_STS
DSCFLD
DSP_IDLE
DSC_INT
L8001
L8002
L8003
L8005
L8006
L8007
L8008
L8010
L8011
NQR0129-001X
X8002
NAX0354-001X
TL8023
TL8024
TL8018
TL8019
TL8020
TL8021
TL8022
TL8003
TL8004
TL8005
TL8006
TL8025
TL8026
TL8027
TL8028

NOTES : 1. The part with marked(*) is not used.
2. COMPARISION CHART OF MODELS & MARKS(#).

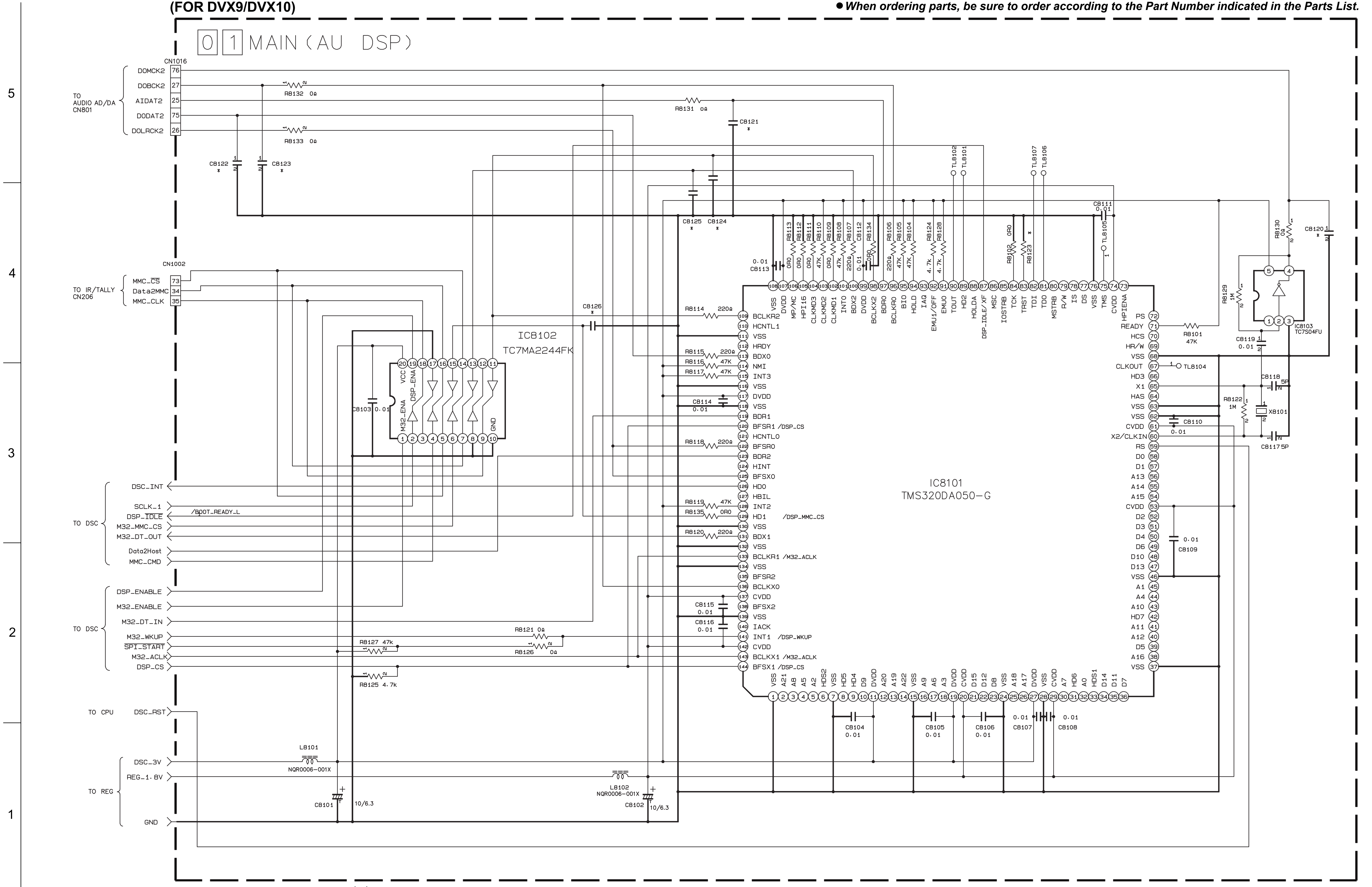
MODELS \ REF. NO	IC8004
GR-DVX9	MBV800TA90PBA02
GR-DVX10	MBV800TA90PBA08

5
4
3
2
1
A
B
C
D
E
F
G
H

4.18 AU DSP SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

(FOR DVX9/DVX10)



01 MAIN (AU DSP)
CN1016
DOMCK2 76
DOBCK2 27
AIDAT2 25
DODAT2 75
DOLRCK2 26
TO AUDIO AD/DA CN801
R8132 0Ω
R8133 0Ω
R8131 0Ω
C8121 *
C8122 *
C8123 *
C8125 *
C8124 *
CN1002
MMC_CS 73
Data2MMC 34
MMC_CLK 35
TO IR/TALLY CN206
C8126 *
IC8102
TC7MA2244FK
VCC
DSP_ENA
M32_ENA
GND
C8103 0.01
IC8101
TMS320DA050-G
R8114 220Ω
R8115 220Ω
R8116 47K
R8117 47K
C8114 0.01
R8118 220Ω
R8119 47K
R8135 0R0
R8120 220Ω
C8115 0.01
C8116 0.01
BCLKR2
HCNTL1
VSS
HRDY
BDX0
NMI
INT3
DVDD
BDR1
BFSR1 /DSP_CS
HCNTL0
BFSR0
BDR2
HINT
BFSX0
HD0
HBIL
INT2
HD1 /DSP_MMC_CS
BDX1
BCLKR1 /M32_ACLK
BFSR2
BCLKX0
CVDD
BFSX2
IACK
INT1 /DSP_WKUP
BCLKX1 /M32_ACLK
BFSX1 /DSP_CS
VSS DVDD MP/MC HPI16 CLKMD3 CLKMD2 CLKMD1 INT0 BDX2 DVDD BCLKX2 BDR0 BCLKR0 BIO HOLD IAQ EMU1/OFF EMU0 TOUT HD2 HOLDA DSP_IDLE/XF MSC IOSTRB TCK TRST TDI TDO MSTRB R/W IS DS VSS TMS CVDD HPIENA
R8113 R8112 R8111 R8110 R8109 R8108 R8107 C8112 R8134 R8106 R8105 R8104 R8124 R8128
C8113 0.01
TL8102 TL8101 TL8107 TL8106 TL8105
R8102 0R0
R8123 *
C8111 0.01
PS READY HCS HR/W VSS CLKOUT HD3 X1 HAS VSS VSS CVDD X2/CLKIN RS D0 D1 A13 A14 A15 CVDD D2 D3 D4 D6 D10 D13 VSS A1 A4 A10 HD7 A11 A12 D5 A16 VSS
R8101 47K
TL8104
R8130 0Ω
C8120 *
R8129 1M
IC8103 TC7S04FU
C8119 0.01
C8118 5P
R8122 1M
X8101
C8110 0.01
C8117 5P
C8109 0.01
VSS A21 A8 A5 A2 HDS2 VSS HD5 HD4 D9 DVDD A20 A19 A22 VSS A9 A6 A3 DVDD CVDD D15 D12 D8 VSS A18 A17 DVDD VSS CVDD A7 HD6 A0 HDS1 D14 D11 D7
C8104 0.01
C8105 0.01
C8106 0.01
C8107 0.01
C8108 0.01
DSC_INT
SCLK_1
DSP_IDLE
/BOOT_READY_L
M32_MMC_CS
M32_DT_OUT
Data2Host
MMC_CMD
TO DSC
DSP_ENABLE
M32_ENABLE
M32_DT_IN
M32_WKUP
SPI_START
M32_ACLK
DSP_CS
TO DSC
R8127 47k
R8121 0Ω
R8126 0Ω
R8125 4.7k
DSC_RST
TO CPU
DSC_3V
REG_1.8V
GND
TO REG
L8101 NQR0006-001X
L8102 NQR0006-001X
C8101 10/6.3
C8102 10/6.3
5
4
3
2
1

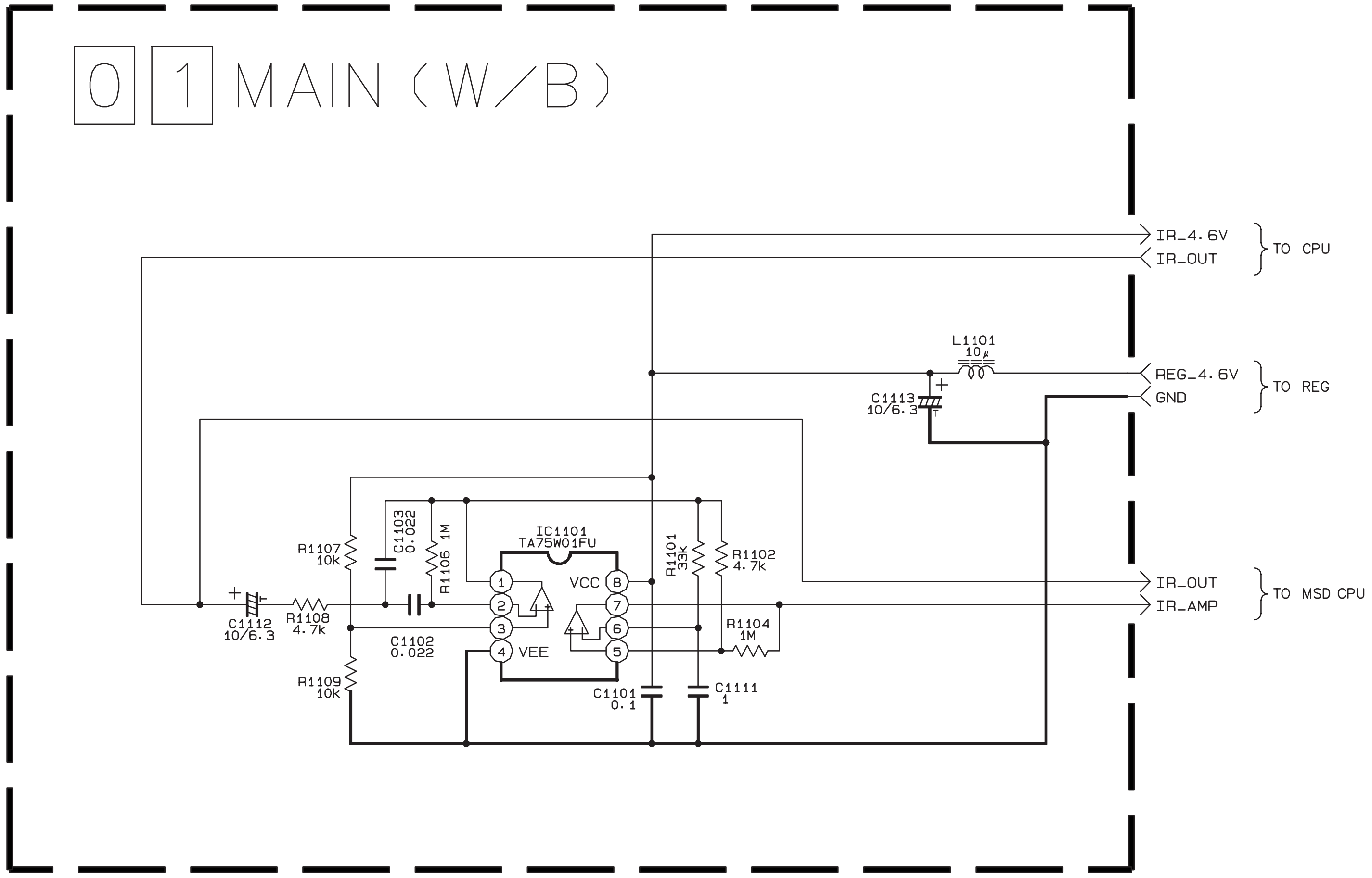
NOTE : The part with marked(*) is not used.

A
B
C
D
E
F
G
H

4.19 W/B AND IR/TALLY SCHEMATIC DIAGRAMS

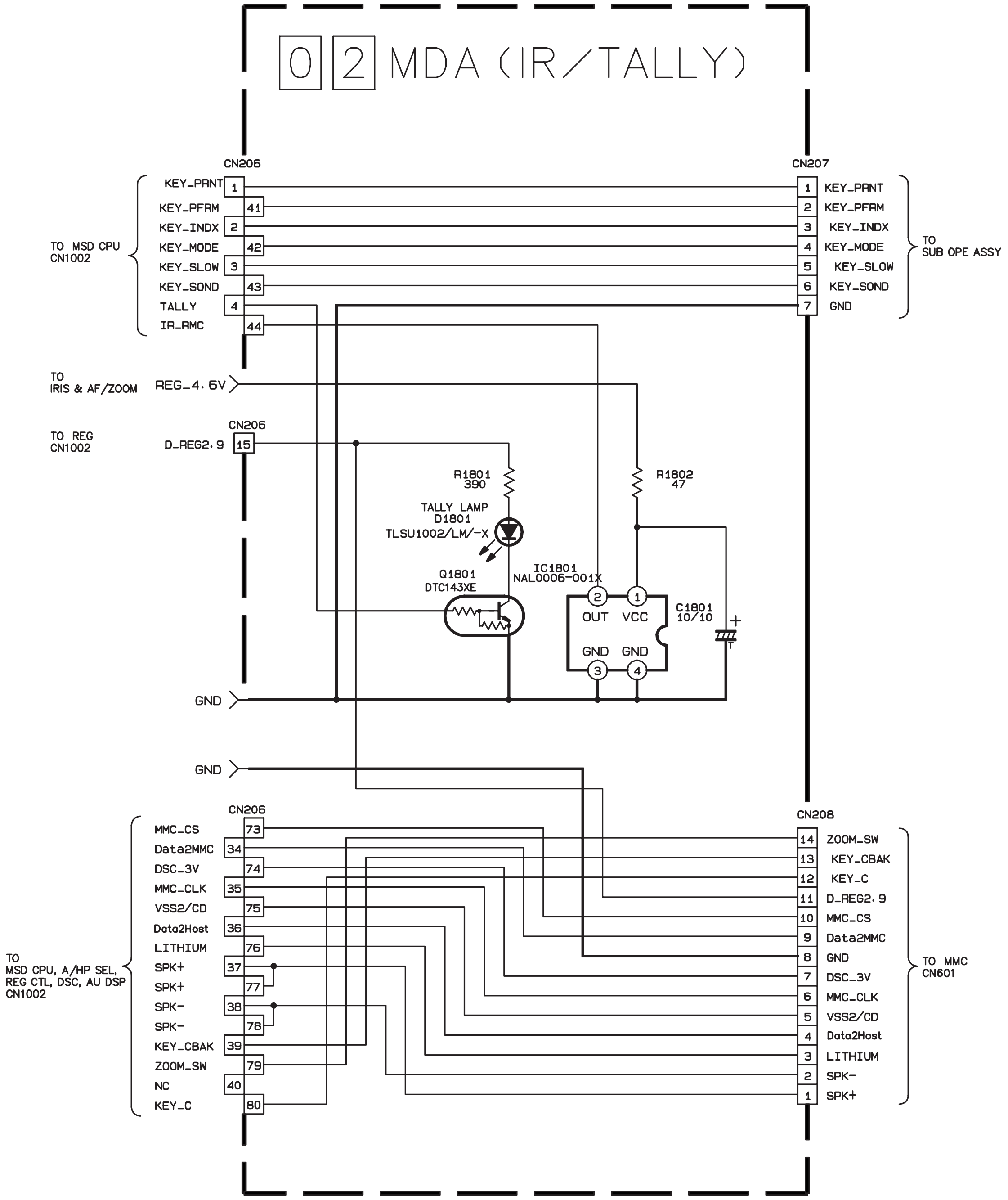
NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

— W/B —



01 MAIN (W/B)
IR_4.6V
IR_OUT
TO CPU
L1101
10μ
REG_4.6V
GND
TO REG
C1113
10/6.3
IC1101
TA75W01FU
VCC
VEE
R1107
10k
C1103
0.022
R1106 1M
R1101
33k
R1102
4.7k
C1112
10/6.3
R1108
4.7k
C1102
0.022
R1104
1M
R1109
10k
C1101
0.1
C1111
1
IR_OUT
IR_AMP
TO MSD CPU

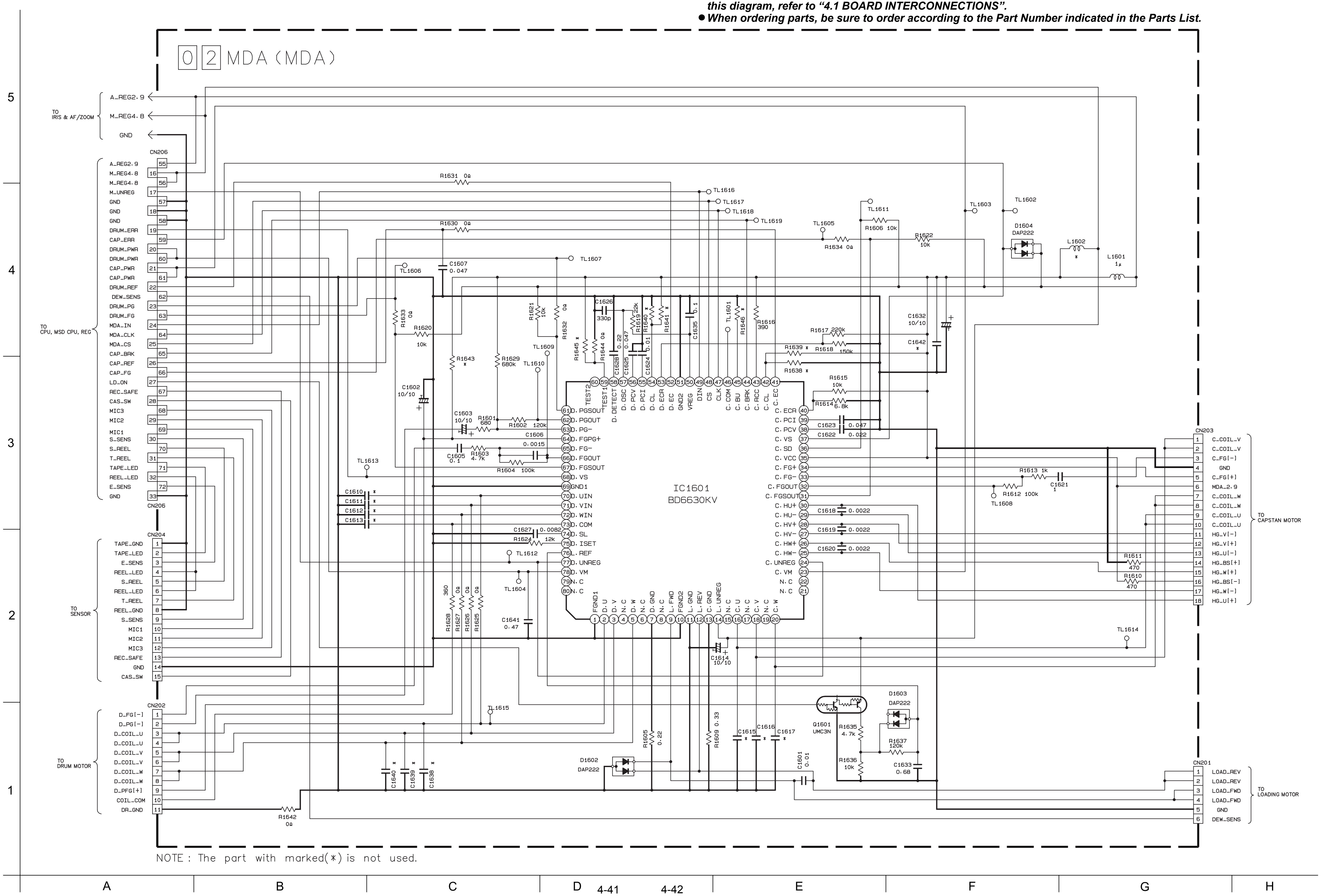
— IR/TALLY —



02 MDA (IR/TALLY)
CN206
CN207
TO MSD CPU
CN1002
KEY_PRNT
KEY_PFRM
KEY_INDX
KEY_MODE
KEY_SLOW
KEY_SOND
TALLY
IR_RMC
GND
TO
SUB OPE ASSY
TO
IRIS & AF/ZOOM
REG_4.6V
TO REG
CN1002
D_REG2.9
R1801
390
R1802
47
TALLY LAMP
D1801
TLSU1002/LM/-X
Q1801
DTC143XE
IC1801
NAL0006-001X
OUT
VCC
C1801
10/10
GND
GND
GND
CN208
TO
MSD CPU, A/HP SEL,
REG CTL, DSC, AU DSP
CN1002
MMC_CS
Data2MMC
DSC_3V
MMC_CLK
VSS2/CD
Data2Host
LITHIUM
SPK+
SPK+
SPK-
SPK-
KEY_CBAK
ZOOM_SW
NC
KEY_C
ZOOM_SW
KEY_CBAK
KEY_C
D_REG2.9
MMC_CS
Data2MMC
GND
DSC_3V
MMC_CLK
VSS2/CD
Data2Host
LITHIUM
SPK-
SPK+
TO MMC
CN601

4.20 MDA SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

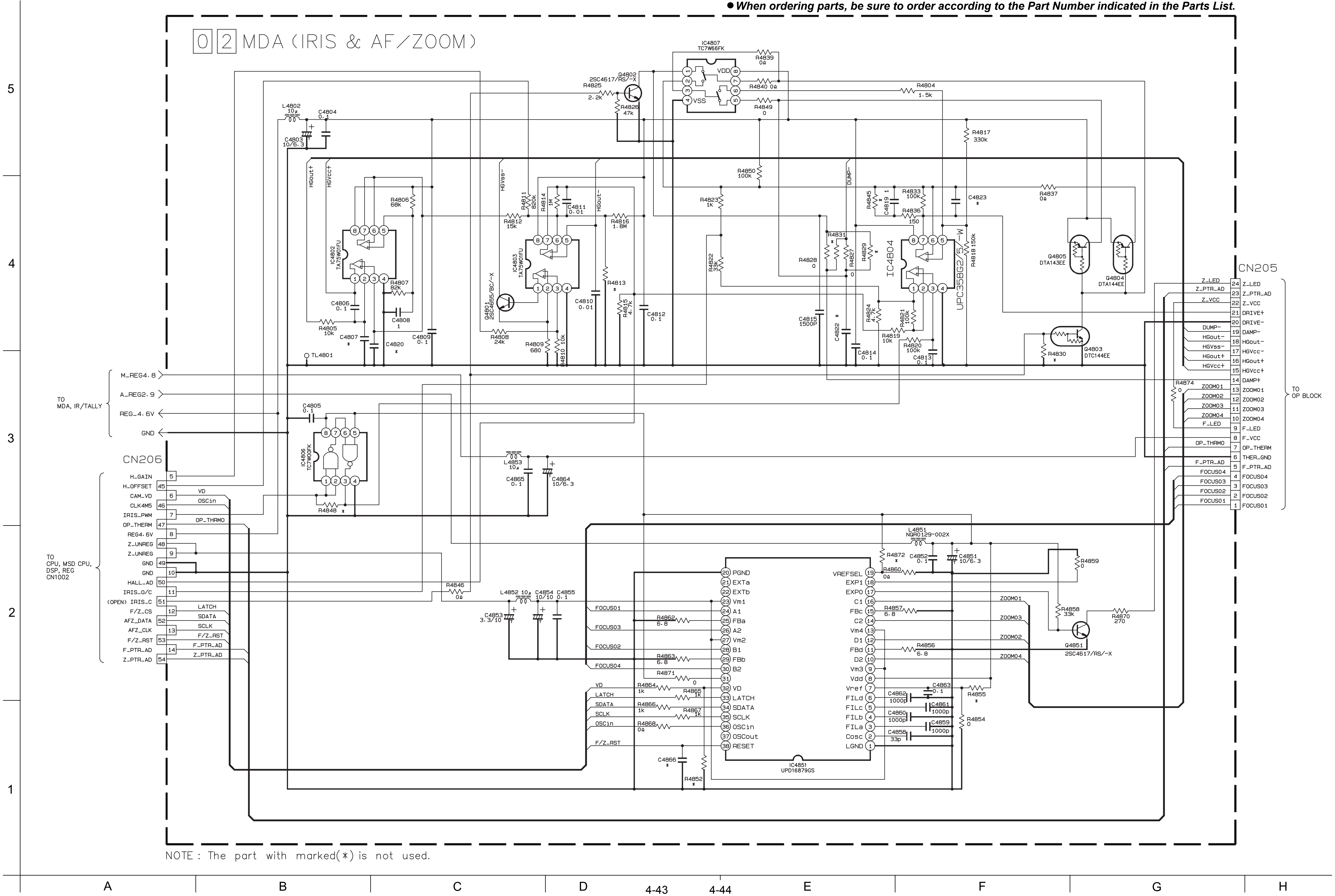


02 MDA (MDA)
TO IRIS & AF/ZOOM
A_REG2.9
M_REG4.8
GND
CN206
A_REG2.9 55
M_REG4.8 16
M_REG4.8 56
M_UNREG 17
GND 57
GND 18
GND 58
DRUM_ERR 19
CAP_ERR 59
DRUM_PWR 20
DRUM_PWR 60
CAP_PWR 21
CAP_PWR 61
DRUM_REF 22
DEW_SENS 62
DRUM_PG 23
DRUM_FG 63
MDA_IN 24
MDA_CLK 64
MDA_CS 25
CAP_BRK 65
CAP_REF 26
CAP_FG 66
LD_ON 27
REC_SAFE 67
CAS_SW 28
MIC3 68
MIC2 29
MIC1 69
S_SENS 30
S_REEL 70
T_REEL 31
TAPE_LED 71
REEL_LED 32
E_SENS 72
GND 33
TO CPU, MSD CPU, REG
CN204
TAPE_GND 1
TAPE_LED 2
E_SENS 3
REEL_LED 4
S_REEL 5
REEL_LED 6
T_REEL 7
REEL_GND 8
S_SENS 9
MIC1 10
MIC2 11
MIC3 12
REC_SAFE 13
GND 14
CAS_SW 15
TO SENSOR
CN202
D_FG(-) 1
D_PG(-) 2
D_COIL_U 3
D_COIL_U 4
D_COIL_V 5
D_COIL_V 6
D_COIL_W 7
D_COIL_W 8
D_PFG(+) 9
COIL_COM 10
DR_GND 11
TO DRUM MOTOR
R1642 0Ω
R1631 0Ω
R1630 0Ω
C1607 0.047
TL1606
TL1607
TL1616
TL1617
TL1618
TL1619
TL1605
R1634 0Ω
TL1611
R1606 10k
R1622 10k
TL1603
TL1602
D1604 DAP222
L1602 *
L1601 1μ
R1633 0Ω
R1620 10k
C1602 10/10
R1643 *
R1629 680k
R1621 10k
R1632 0Ω
TL1609
TL1610
R1645 *
R1644 0Ω
C1626 330p
C1628 0.22
C1625 0.047
R1619 22k
R1640 *
C1624 0.01
R1641 *
C1635 0.1
TL1601
R1646 *
R1616 390
C1632 10/10
C1642 *
R1617 220k
R1618 150k
R1639 *
R1638 *
R1615 10k
R1614 6.8k
C1603 10/10
R1601 680
R1602 120k
C1606 0.0015
C1605 0.1
R1603 4.7k
R1604 100k
TL1613
C1610 *
C1611 *
C1612 *
C1613 *
C1627 0.0082
R1624 12k
TL1612
TL1604
R1628 360
R1627 0Ω
R1626 0Ω
R1625 0Ω
C1641 0.47
IC1601 BD6630KV
TEST2 60
TEST1 59
D.DETECT 58
D.OSC 57
D.PCV 56
D.PCI 55
D.CL 54
D.ECR 53
D.EC 52
GND2 51
VREG 50
DIN 49
CS 48
CLK 47
C.COM 46
C.BU 45
C.BRK 44
C.RCC 43
C.CL 42
C.EC 41
61 D.PGSOUT
62 D.PGOUT
63 D.PG-
64 D.FGPG+
65 D.FG-
66 D.FGOUT
67 D.FGSOUT
68 D.VS
69 GND1
70 D.UIN
71 D.VIN
72 D.WIN
73 D.COM
74 D.SL
75 D.ISET
76 L.REF
77 D.UNREG
78 D.VM
79 N.C
80 N.C
C.ECR 40
C.PCI 39
C.PCV 38
C.VS 37
C.SD 36
C.VCC 35
C.FG+ 34
C.FG- 33
C.FGOUT 32
C.FGSOUT 31
C.HU+ 30
C.HU- 29
C.HV+ 28
C.HV- 27
C.HW+ 26
C.HW- 25
C.UNREG 24
C.VM 23
N.C 22
N.C 21
FGND1 1
D.U 2
D.V 3
D.W 4
N.C 5
N.C 6
D.GND 7
N.C 8
FGND2 9
L.FWD 10
L.REV 11
L.GND 12
C.GND 13
L.UNREG 14
N.C 15
C.U 16
C.V 17
N.C 18
C.W 19
C.W 20
C1623 0.047
C1622 0.022
C1618 0.0022
C1619 0.0022
C1620 0.0022
R1613 1k
C1621 1
R1612 100k
TL1608
R1611 470
R1610 470
TL1614
C1614 10/10
TL1615
C1640 *
C1639 *
C1638 *
D1602 DAP222
R1605 0.22
R1609 0.33
C1615 *
C1616 *
C1617 *
C1601 0.01
Q1601 UMC3N
R1635 4.7k
D1603 DAP222
R1637 120k
R1636 10k
C1633 0.68
CN203
1 C_COIL_V
2 C_COIL_V
3 C_FG(-)
4 GND
5 C_FG(+)
6 MDA_2.9
7 C_COIL_W
8 C_COIL_W
9 C_COIL_U
10 C_COIL_U
11 HG_V(-)
12 HG_V(+)
13 HG_U(-)
14 HG_BS(+)
15 HG_W(+)
16 HG_BS(-)
17 HG_W(-)
18 HG_U(+)
TO CAPSTAN MOTOR
CN201
1 LOAD_REV
2 LOAD_REV
3 LOAD_FWD
4 LOAD_FWD
5 GND
6 DEW_SENS
TO LOADING MOTOR
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.21 IRIS & AF/ZOOM SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



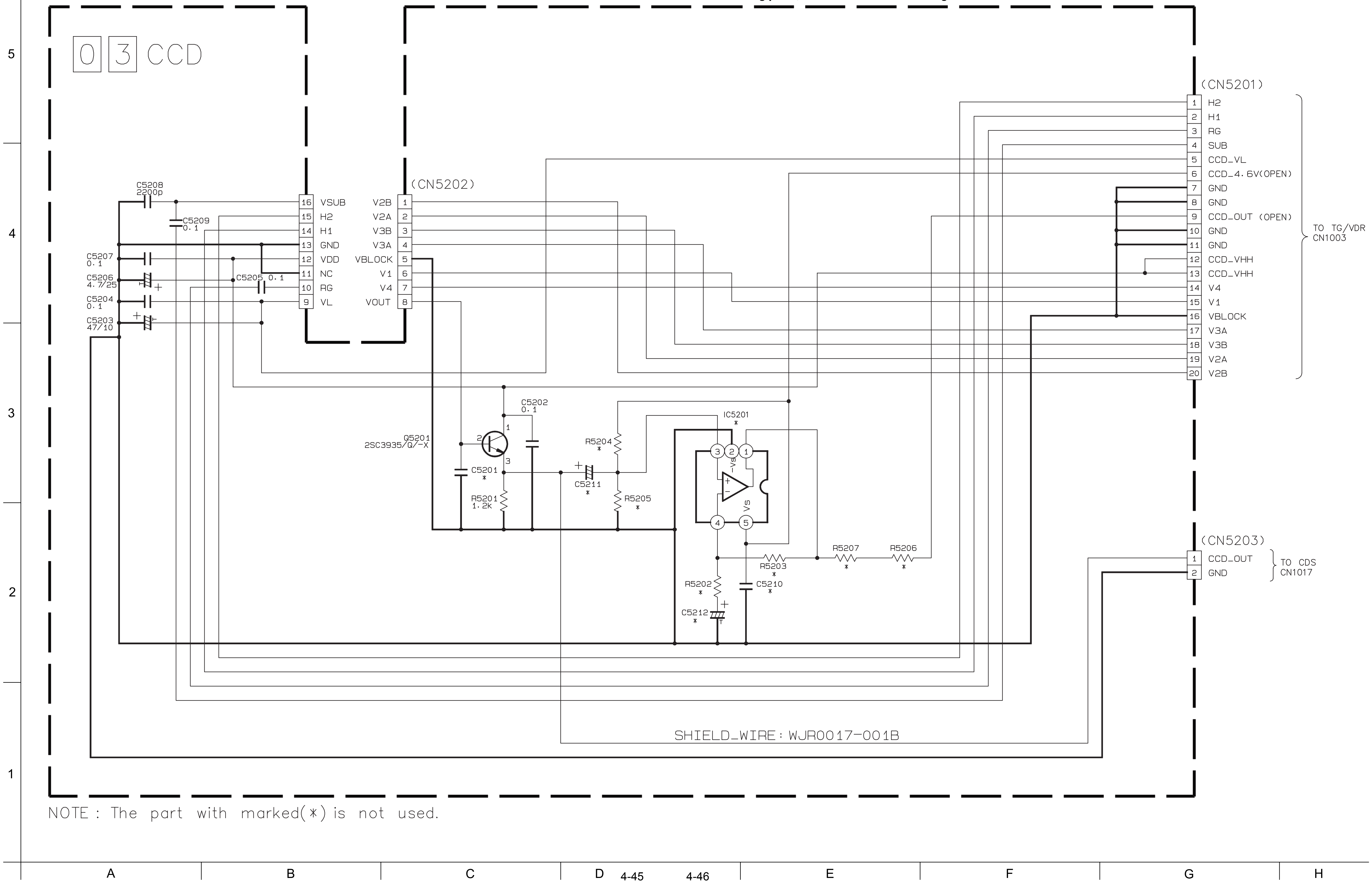
02 MDA (IRIS & AF/ZOOM)
IC4807 TC7W66FK
VDD
VSS
R4839 0Ω
R4840 0Ω
R4849 0
R4804 1.5k
Q4802 2SC4617/RS/-X
R4825 2.2k
R4826 47k
L4802 10µ
C4804 0.1
C4803 10/6.3
R4817 330k
R4850 100k
R4823 1k
R4822 33k
HGout+
HGVcc+
HGVss-
HGout-
DUMP-
R4806 68k
IC4802 TA75W01FU
R4807 82k
C4806 0.1
R4805 10k
C4807 *
C4808 1
C4820 *
C4809 0.1
TL4801
R4811 820k
R4814 1M
C4811 0.01
R4812 15k
R4816 1.8M
IC4803 TA75W01FU
Q4801 2SC4655/BC/-X
R4813 *
R4815 4.7k
C4810 0.01
C4812 0.1
R4808 24k
R4809 680
R4810 10k
R4845 *
C4819 1
R4833 100k
R4836 150
C4823 *
R4831 *
R4828 0
R4827 0
R4829 *
IC4804 UPC358G2/5/-W
R4818 150k
C4815 1500P
C4822 *
R4824 4.7k
R4821 100k
R4819 10k
R4820 100k
C4814 0.1
C4813 0.1
R4837 0Ω
Q4805 DTA143EE
Q4804 DTA144EE
Q4803 DTC144EE
R4830 *
R4874 0
CN205
Z_LED
Z_PTR_AD
Z_VCC
DRIVE+
DRIVE-
DUMP-
DAMP-
HGout-
HGVss-
HGVcc-
HGout+
HGVcc+
DAMP+
ZOOM01
ZOOM02
ZOOM03
ZOOM04
F_LED
F_VCC
OP_THERMO
OP_THERM
THER_GND
F_PTR_AD
FOCUS04
FOCUS03
FOCUS02
FOCUS01
TO OP BLOCK
M_REG4.8
A_REG2.9
REG_4.6V
GND
TO MDA, IR/TALLY
C4805 0.1
IC4806 TC7W00FK
R4848 *
L4853 10µ
C4865 0.1
C4864 10/6.3
CN206
H_GAIN
H_OFFSET
CAM_VD
CLK4M5
IRIS_PWM
OP_THERM
REG4.6V
Z_UNREG
GND
HALL_AD
IRIS_O/C
(OPEN) IRIS_C
F/Z_CS
AFZ_DATA
AFZ_CLK
F/Z_RST
F_PTR_AD
Z_PTR_AD
VD
OSCin
OP_THRMO
LATCH
SDATA
SCLK
F/Z_RST
TO CPU, MSD CPU, DSP, REG CN1002
R4846 0Ω
L4852 10µ
C4853 3.3/10
C4854 10/10
C4855 0.1
L4851 NQR0129-002X
R4872 *
C4852 0.1
C4851 10/6.3
R4859 0
R4860 0Ω
R4858 33k
R4870 270
Q4851 2SC4617/RS/-X
R4857 6.8
R4856 6.8
R4862 6.8
R4863 6.8
R4871 0
R4864 1k
R4865 1k
R4866 1k
R4867 1k
R4868 0Ω
C4866 *
R4852 *
IC4851 UPD16879GS
PGND
EXTa
EXTb
Vm1
A1
FBa
A2
Vm2
B1
FBb
B2
LATCH
SDATA
SCLK
OSCin
OSCout
RESET
VREFSEL
EXP1
EXP0
C1
FBc
C2
Vm4
D1
FBd
D2
Vm3
Vdd
Vref
FILd
FILc
FILb
FILa
Cosc
LGND
C4863 0.1
C4862 1000p
C4861 1000p
C4860 1000p
C4859 1000p
C4858 33p
R4855 *
R4854 0
A
B
C
D
E
F
G
H
1
2
3
4
5

NOTE : The part with marked(*) is not used.

4.22 CCD SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***

● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

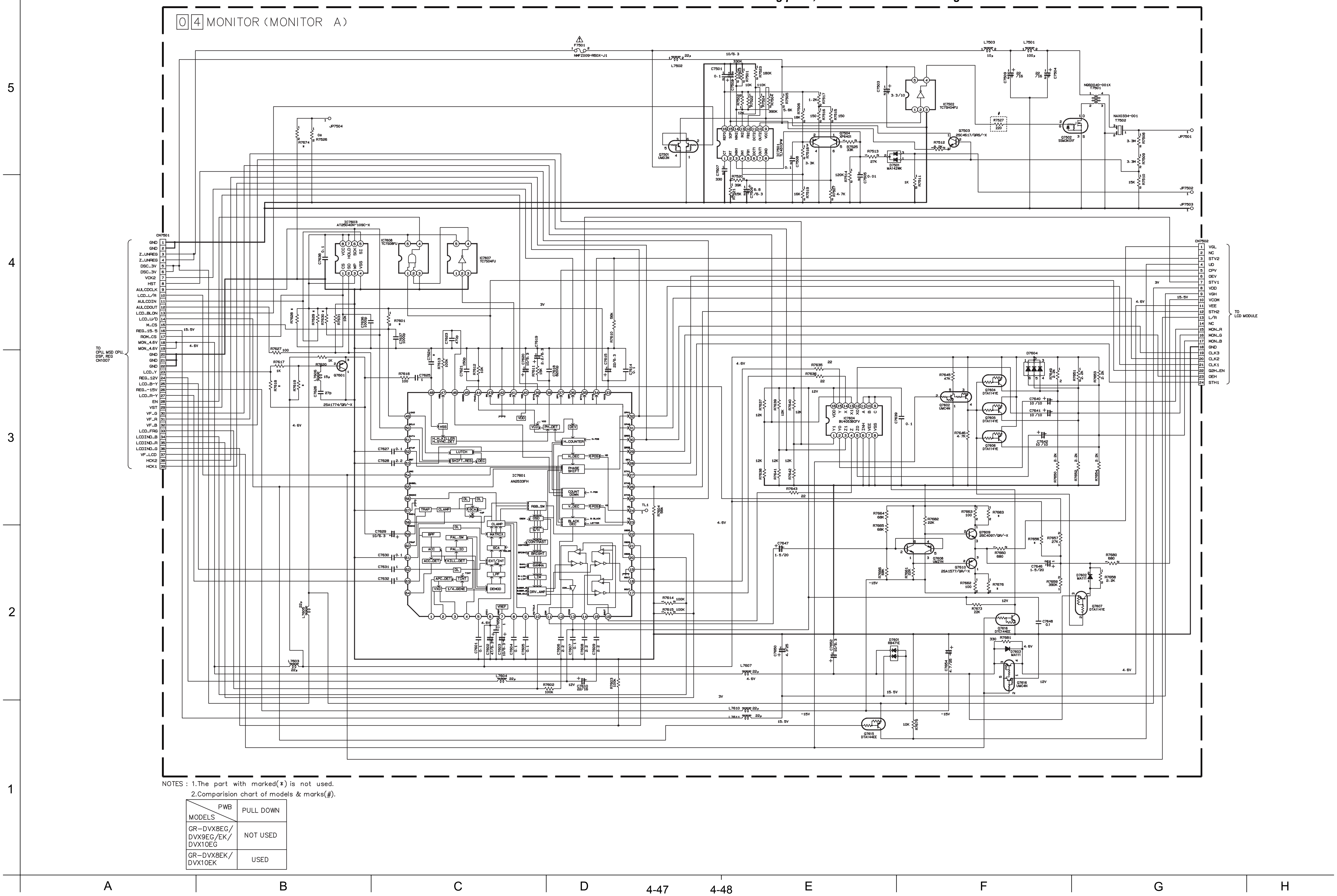


5
4
3
2
1
A
B
C
D
E
F
G
H
03 CCD
C5208
2200p
C5209
0.1
C5207
0.1
C5206
4.7/25
C5205 0.1
C5204
0.1
C5203
47/10
16 VSUB
15 H2
14 H1
13 GND
12 VDD
11 NC
10 RG
9 VL
(CN5202)
V2B 1
V2A 2
V3B 3
V3A 4
VBLOCK 5
V1 6
V4 7
VOUT 8
(CN5201)
1 H2
2 H1
3 RG
4 SUB
5 CCD_VL
6 CCD_4.6V(OPEN)
7 GND
8 GND
9 CCD_OUT (OPEN)
10 GND
11 GND
12 CCD_VHH
13 CCD_VHH
14 V4
15 V1
16 VBLOCK
17 V3A
18 V3B
19 V2A
20 V2B
TO TG/VDR
CN1003
Q5201
2SC3935/Q/-X
C5202
0.1
C5201
*
R5201
1.2k
R5204
*
C5211
*
R5205
*
IC5201
*
-Vs
Vs
R5202
*
C5212
*
R5203
*
C5210
*
R5207
*
R5206
*
(CN5203)
1 CCD_OUT
2 GND
TO CDS
CN1017
SHIELD_WIRE: WJR0017-001B

NOTE: The part with marked(*) is not used.

4.23 MONITOR A SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***


04 MONITOR (MONITOR A)
CN7501
GND
GND
Z_UNREG
Z_UNREG
DSC_3V
DSC_3V
VCK2
HST
AULCDCLK
LCD_L/R
AULCDIN
AULCDOUT
LCD_BLON
LCD_U/D
M_CS
REG_15.5
ROM_CS
MON_4.6V
MON_4.6V
GND
GND
GND
LCD_Y
REG_12V
LCD_B-Y
REG_-15V
LCD_R-Y
EN
VST
VF_G
VF_R
VF_B
LCD_FRG
LCDIND_B
LCDIND_R
LCDIND_G
VF_LCD
HCK2
HCK1
TO CPU, MSD CPU, DSP, REG CN1007
15.5V
4.6V
CN7502
VGL
NC
STV2
UD
CPV
OEV
STV1
VDD
VGH
VCOM
VEE
STH2
L/R
NC
MON_R
MON_G
MON_B
GND
CLK3
CLK2
CLK1
Q2H_EN
OEH
STH1
TO LCD MODULE
IC7601 AN2533FH
IC7603 AT25040N-10SC-X
IC7608 TC7S08FU
IC7607 TC7S04FU
IC7604 BU4053BCF
IC7502 TC7SH04FU
F7501 NMFZ009-R50X-J1
T7501
T7502
JP7501
JP7502
JP7503
JP7504
Q7501 UMD3N
Q7502 SSM3K01F
Q7503 2SC4617/QRS/-X
Q7504 XP6401
D7501 MA142WK
Q7601 2SA1774/QR/-X
Q7602 UMC4N
Q7604 DTA114YE
Q7605 DTA114YE
Q7606 DTA114YE
Q7607 DTA114YE
Q7608 UMZ1N
Q7609 2SC4097/QR/-X
Q7610 2SA1577/QR/-X
Q7615 DTA144EE
Q7616 DTC144EE
Q7616 UMC4N
D7601 RB471E
D7602 MA111
D7603 MA111
D7604
L7501
L7502
L7503
L7603
L7604
L7605
L7607
L7610
L7611
3V
4.6V
12V
-15V
15.5V
TL1
A
B
C
D
E
F
G
H
1
2
3
4
5

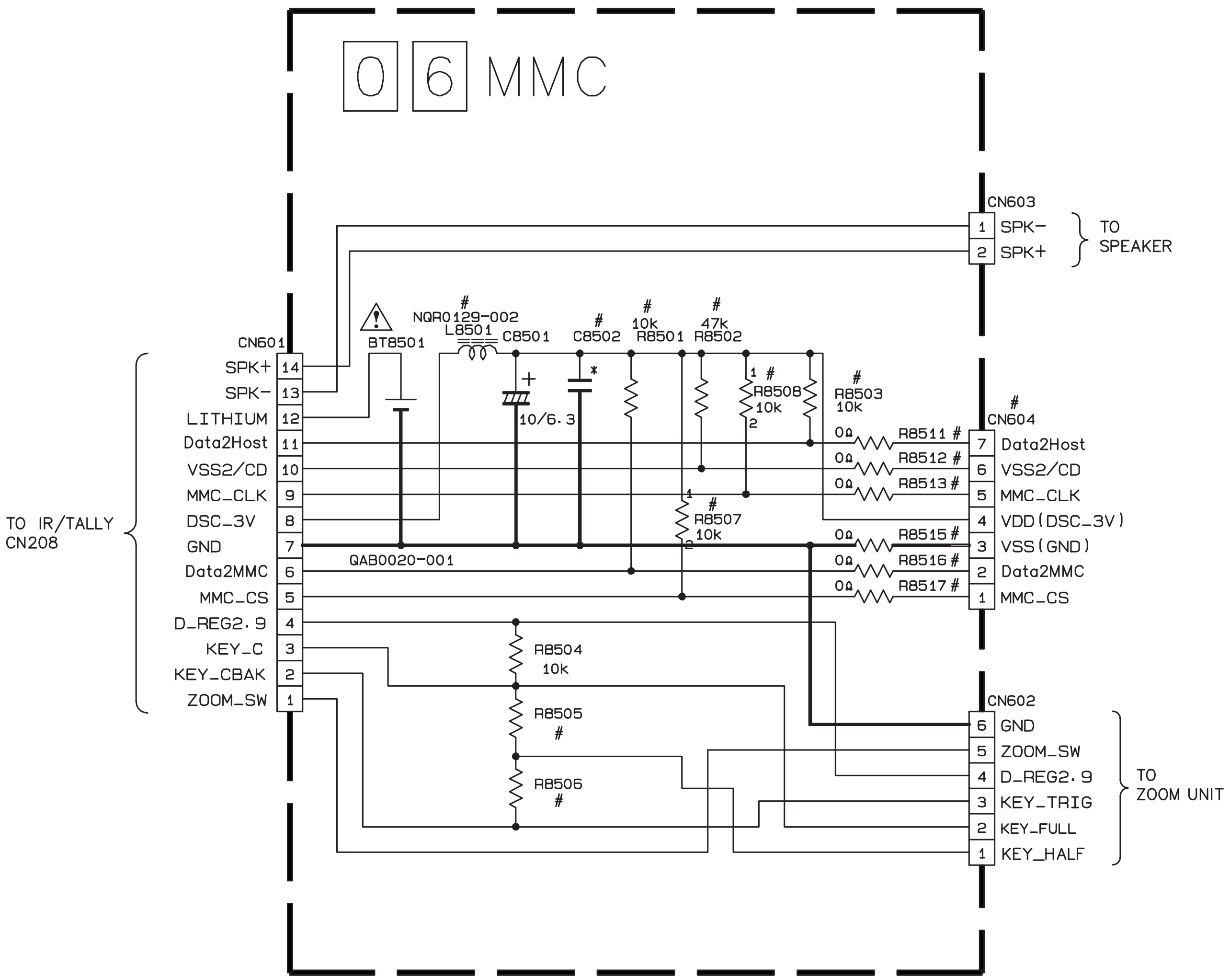
NOTES : 1.The part with marked(✱) is not used.
2.Comparision chart of models & marks(#).

PWB MODELS	PULL DOWN
GR–DVX8EG/ DVX9EG/EK/ DVX10EG	NOT USED
GR–DVX8EK/ DVX10EK	USED

4.24 MMC,W/B SENS AND EJECT SCHEMATIC DIAGRAMS

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

— MMC —

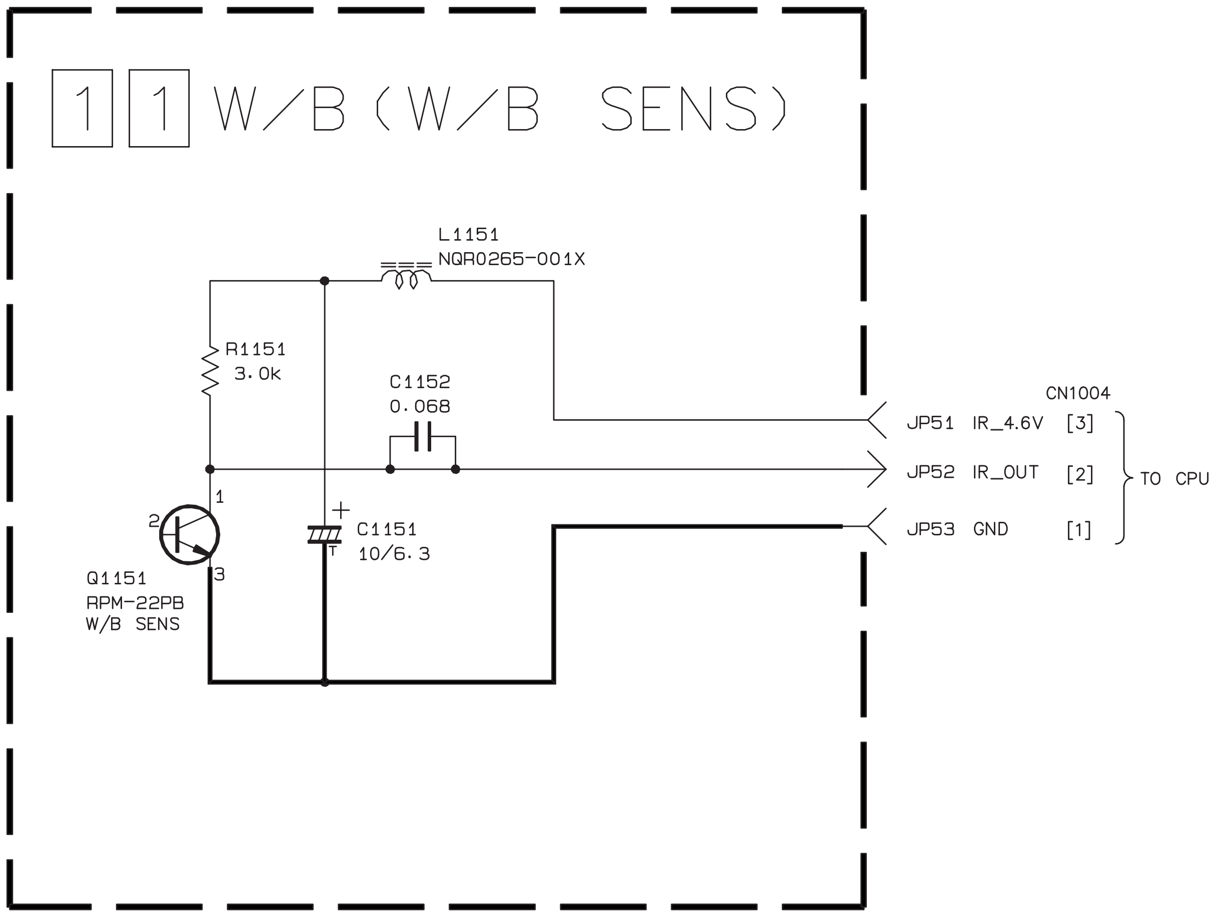


06 MMC
CN601
SPK+ 14
SPK- 13
LITHIUM 12
Data2Host 11
VSS2/CD 10
MMC_CLK 9
DSC_3V 8
GND 7
Data2MMC 6
MMC_CS 5
D_REG2.9 4
KEY_C 3
KEY_CBAK 2
ZOOM_SW 1
TO IR/TALLY CN208
BT8501
QAB0020-001
# NQR0129-002 L8501
C8501
10/6.3
# C8502
*
# 10k R8501
# 47k R8502
# R8508 10k
# R8503 10k
# R8507 10k
R8504 10k
R8505 #
R8506 #
0Ω R8511 #
0Ω R8512 #
0Ω R8513 #
0Ω R8515 #
0Ω R8516 #
0Ω R8517 #
CN603
1 SPK-
2 SPK+
TO SPEAKER
# CN604
7 Data2Host
6 VSS2/CD
5 MMC_CLK
4 VDD(DSC_3V)
3 VSS(GND)
2 Data2MMC
1 MMC_CS
CN602
6 GND
5 ZOOM_SW
4 D_REG2.9
3 KEY_TRIG
2 KEY_FULL
1 KEY_HALF
TO ZOOM UNIT

NOTES : 1. The part with marked(*) is not used.
2. COMPARISION CHART OF MODELS & MARKS(#).

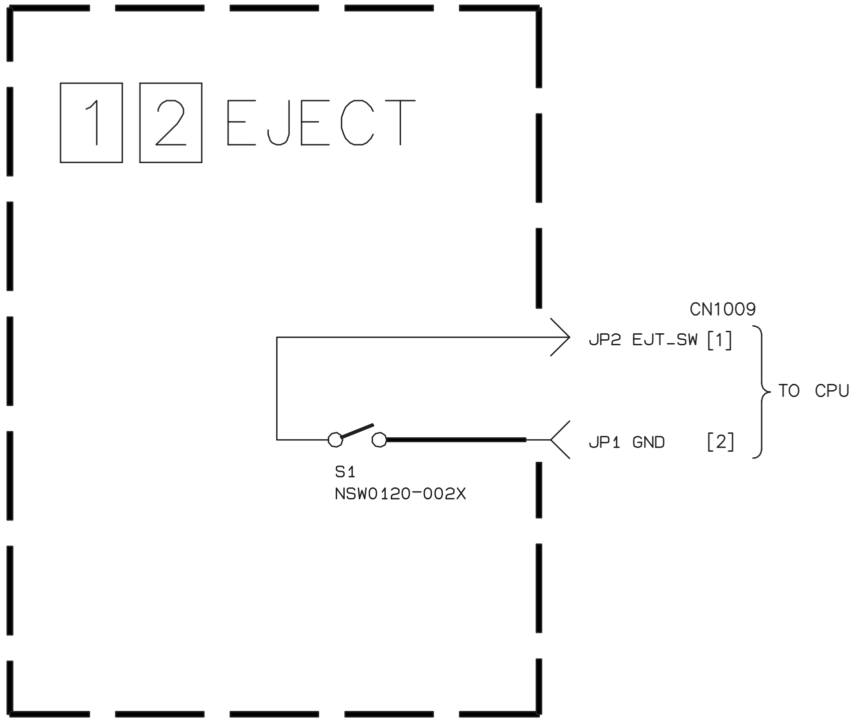
REF. NO / MODELS	R8501 ~ R8503	R8505	R8506	R8507,R8508 R8511~R8513 R8515~R8517	C8501	L8501	CN604
GR-DVX8	OPEN	0	33K	OPEN	OPEN	OPEN	OPEN
GR-DVX9	USED	15K	18K	OPEN	USED	USED	USED
GR-DVX10	USED	15K	18K	USED	USED	USED	USED

— W/B SENS —



11 W/B (W/B SENS)
L1151
NQR0265-001X
R1151
3.0k
C1152
0.068
C1151
10/6.3
Q1151
RPM-22PB
W/B SENS
CN1004
JP51 IR_4.6V [3]
JP52 IR_OUT [2]
JP53 GND [1]
TO CPU

— EJECT —

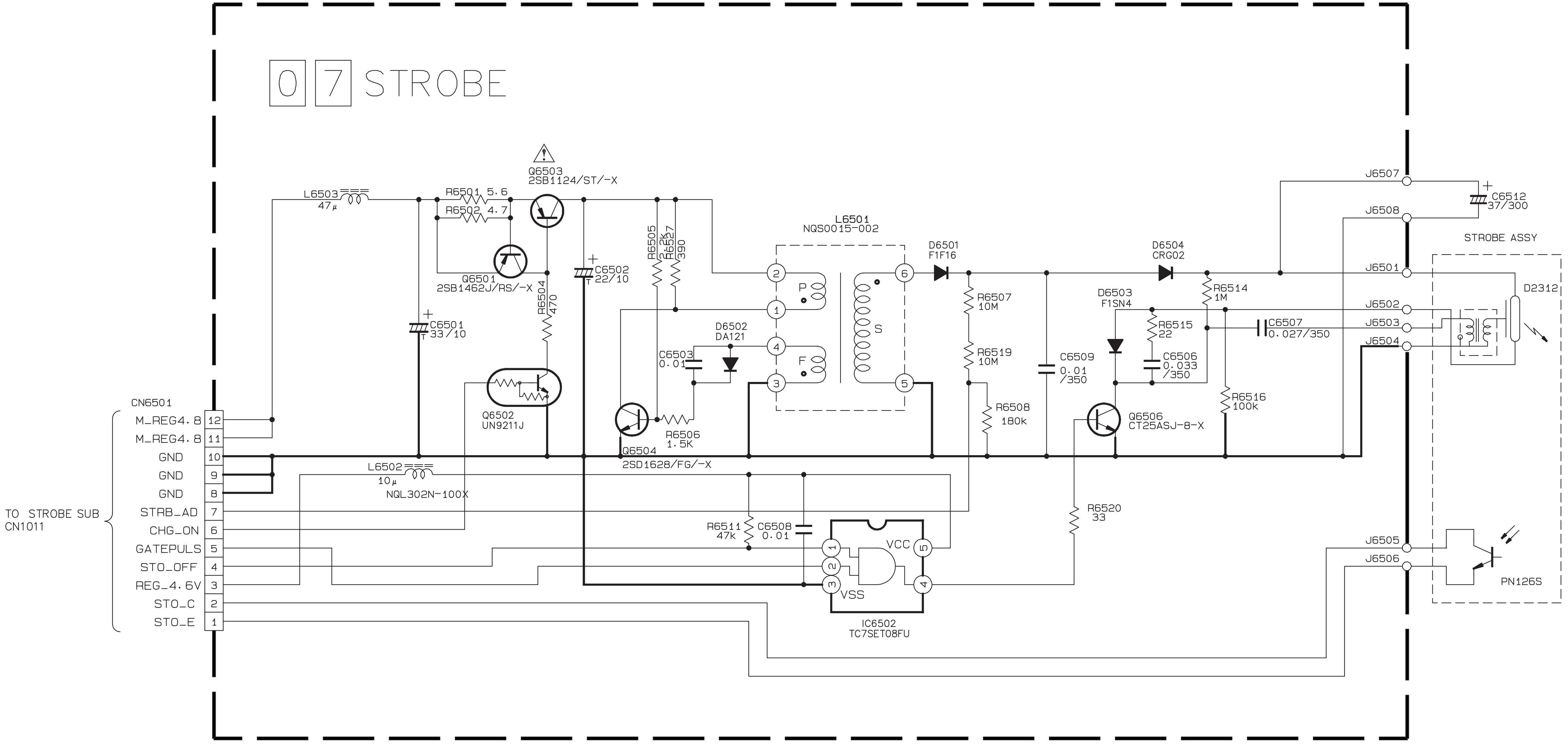


12 EJECT
CN1009
JP2 EJT_SW [1]
JP1 GND [2]
TO CPU
S1
NSW0120-002X

4.25 STROBE SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

(FOR DVX9/DVX10)

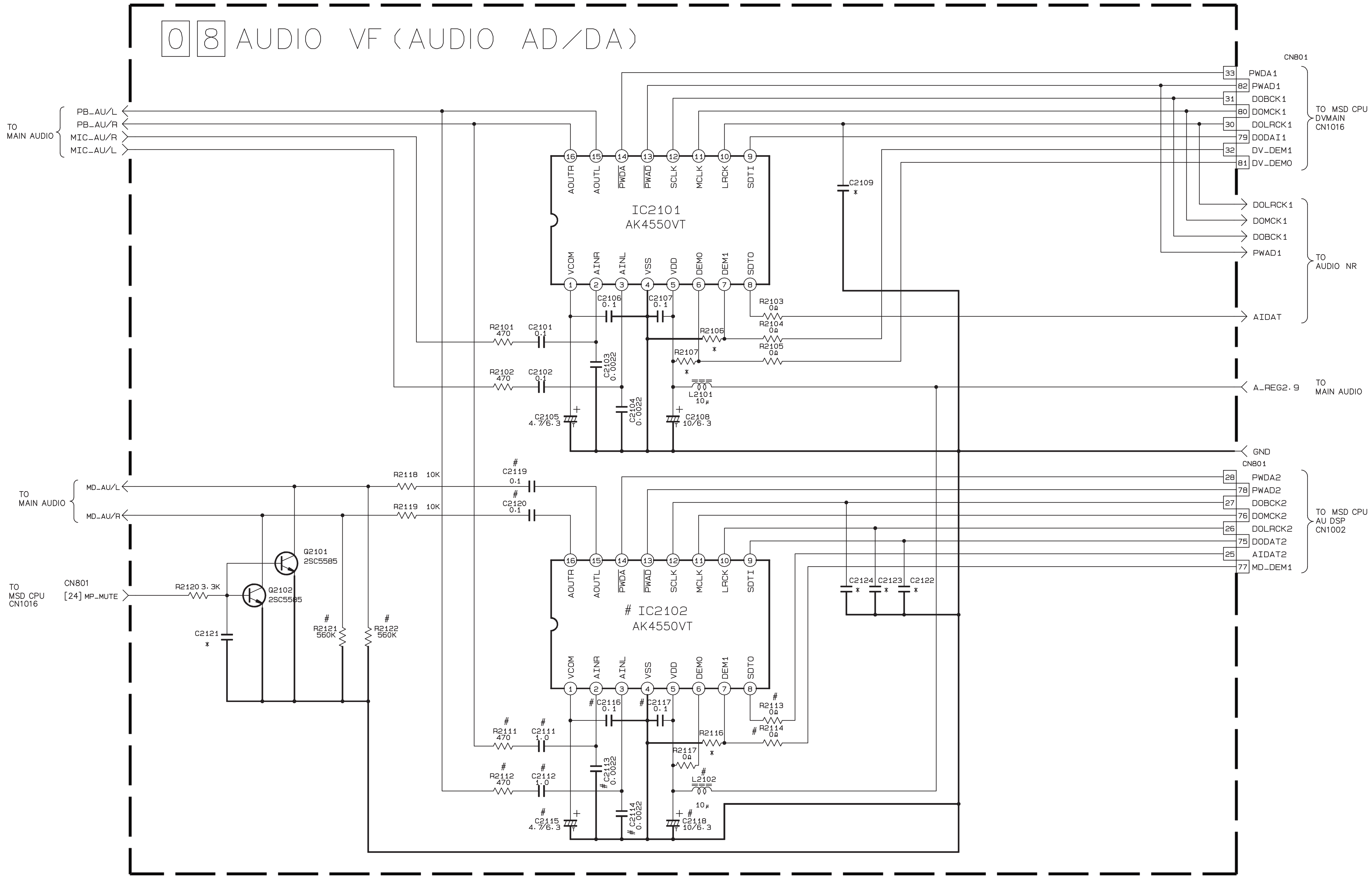

0 7 STROBE
Q6503
2SB1124/ST/-X
L6503
47μ
R6501 5.6
R6502 4.7
Q6501
2SB1462J/RS/-X
R6504
470
C6501
33/10
C6502
22/10
Q6502
UN9211J
R6505
2.2k
R6527
390
C6503
0.01
D6502
DA121
Q6504
2SD1628/FG/-X
R6506
1.5K
L6501
NQS0015-002
P
F
S
D6501
F1F16
R6507
10M
R6519
10M
R6508
180k
C6509
0.01
/350
D6504
CRG02
D6503
F1SN4
R6514
1M
R6515
22
C6506
0.033
/350
C6507
0.027/350
R6516
100k
Q6506
CT25ASJ-8-X
R6520
33
J6507
J6508
J6501
J6502
J6503
J6504
J6505
J6506
C6512
37/300
STROBE ASSY
D2312
PN126S
L6502
10μ
NQL302N-100X
R6511
47k
C6508
0.01
VCC
VSS
IC6502
TC7SET08FU
CN6501
M_REG4.8 12
M_REG4.8 11
GND 10
GND 9
GND 8
STRB_AD 7
CHG_ON 6
GATEPULS 5
STO_OFF 4
REG_4.6V 3
STO_C 2
STO_E 1
TO STROBE SUB
CN1011

5
4
3
2
1

A B C D E F G H

4.26 AUDIO AD/DA SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



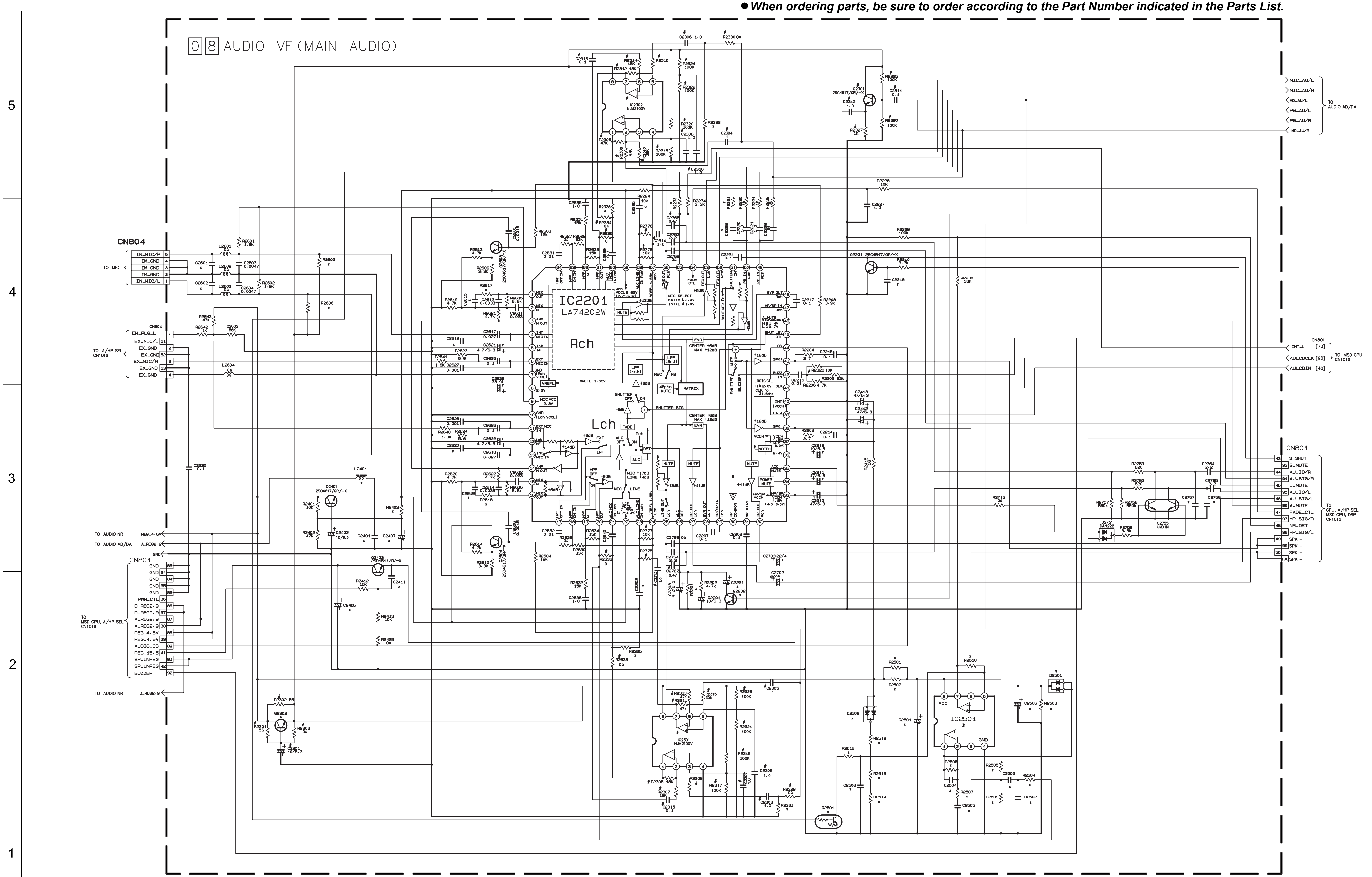
08 AUDIO VF(AUDIO AD/DA)
TO MAIN AUDIO
PB_AU/L
PB_AU/R
MIC_AU/R
MIC_AU/L
IC2101
AK4550VT
AOUTR
AOUTL
PWDA
PWAD
SCLK
MCLK
LRCK
SDTI
VCOM
AINR
AINL
VSS
VDD
DEM0
DEM1
SDTO
C2109
C2106 0.1
C2107 0.1
R2101 470
C2101 0.1
R2102 470
C2102 0.1
C2103 0.0022
C2104 0.0022
C2105 4.7/6.3
C2108 10/6.3
R2103 0Ω
R2104 0Ω
R2105 0Ω
R2106
R2107
L2101 10μ
CN801
PWDA1
PWAD1
DOBCK1
DOMCK1
DOLRCK1
DODAI1
DV_DEM1
DV_DEMO
TO MSD CPU DVMAIN CN1016
DOLRCK1
DOMCK1
DOBCK1
PWAD1
AIDAT
TO AUDIO NR
A_REG2.9
TO MAIN AUDIO
GND
CN801
PWDA2
PWAD2
DOBCK2
DOMCK2
DOLRCK2
DODAT2
AIDAT2
MD_DEM1
TO MSD CPU AU DSP CN1002
TO MAIN AUDIO
MD_AU/L
MD_AU/R
R2118 10K
R2119 10K
C2119 0.1
C2120 0.1
Q2101 2SC5585
Q2102 2SC5585
TO MSD CPU CN1016
CN801
[24] MP_MUTE
R2120 3.3K
C2121
R2121 560K
R2122 560K
# IC2102
AK4550VT
C2124
C2123
C2122
C2116 0.1
C2117 0.1
R2111 470
C2111 1.0
R2112 470
C2112 1.0
C2113 0.0022
C2114 0.0022
C2115 4.7/6.3
C2118 10/6.3
R2113 0Ω
R2114 0Ω
R2116
R2117 0Ω
L2102 10μ
1
2
3
4
5
A
B
C
D
E
F
G
H

NOTES : 1. The part with marked(*) is not used.
2. COMPARISION CHART OF MODELS & MARKS(#).

REF. NO / MODELS	IC2102	R2111 ~ R2114	R2121 ~ R2122	C2111 ~ C2120	L2102
GR-DVX8	OPEN	OPEN	OPEN	OPEN	OPEN
GR-DVX9	USED	USED	USED	USED	USED
GR-DVX10	USED	USED	USED	USED	USED

4.27 MAIN AUDIO SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***



08 AUDIO VF (MAIN AUDIO)
5
4
3
2
1
CN804
TO MIC
IN_MIC/R 5
IM_GND 4
IM_GND 3
IM_GND 2
IN_MIC/L 1
CN801
TO A/HP SEL CN1016
EM_PLG_L 1
EX_MIC/L 51
EX_GND 2
EX_GND 52
EX_MIC/R 3
EX_GND 53
EX_GND 4
TO AUDIO NR REG_4.6V
TO AUDIO AD/DA A_REG2.9
GND
CN801
TO MSD CPU, A/HP SEL CN1016
GND 83
GND 34
GND 84
GND 35
GND 85
PWR_CTL 36
D_REG2.9 86
D_REG2.9 37
A_REG2.9 87
A_REG2.9 38
REG_4.6V 88
REG_4.6V 39
AUDIO_CS 89
REG_15.5 41
SP_UNREG 91
SP_UNREG 42
BUZZER 92
TO AUDIO NR D_REG2.9
IC2201
LA74202W
Rch
Lch
IC2302
NJM2100V
IC2301
NJM2100V
IC2501
Q2301 2SC4617/QR/-X
Q2201 2SC4617/QR/-X
Q2401 2SC4617/QR/-X
Q2403 2SD1511/R/-X
Q2302
Q2202
Q2501
Q2755 UMX1N
D2751 DAN222
D2501
D2502
MIC_AU/L
MIC_AU/R
MD_AU/L
PB_AU/L
PB_AU/R
MD_AU/R
TO AUDIO AD/DA
CN801
INT_L [73]
AULCDCLK [90]
AULCDIN [40]
TO MSD CPU CN1016
CN801
43 S_SHUT
93 S_MUTE
44 AU_IO/R
94 AU_SIG/R
45 L_MUTE
95 AU_IO/L
46 AU_SIG/L
96 A_MUTE
47 FADE_CTL
97 HP_SIG/R
48 NR_DET
98 HP_SIG/L
49 SPK −
99 SPK −
50 SPK +
100 SPK +
TO CPU, A/HP SEL, MSD CPU, DSP CN1016

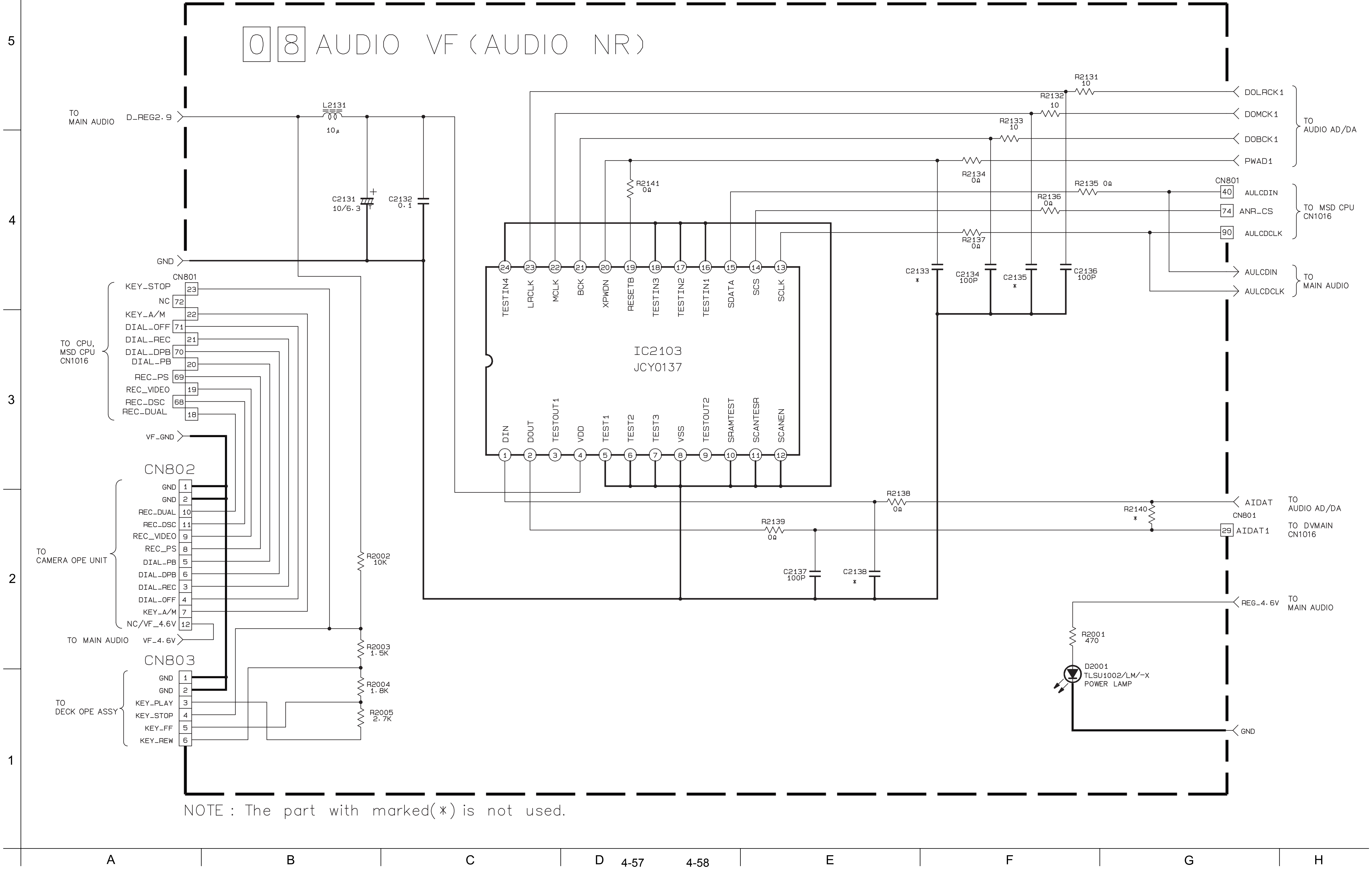
NOTES : 1.The part with marked (*) is not used.
2.COMPARISION CHART OF MODELS & MARKS (#).

MODELS \ REF. NO	IC2301 IC2302	Q2301	R2301~R2303 R2305~R2307	R2308	R2309	R2310	R2311 R2312	R2313	R2314	R2315	R2316	R2317~R2330 R2333,R2334	R2635 R2636	R2775 R2776	R2777 R2778	C2301 C2303	C2304 C2305	C2306 ~ C2316	C2766 C2767
GR–DVX8	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	USED	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
GR–DVX9	USED	USED	USED	OPEN	180K	USED	USED	OPEN	USED	USED	180K	USED	OPEN	22K	USED	USED	USED	USED	OPEN
GR–DVX10	USED	USED	USED	USED	220K	OPEN	USED	USED	USED	OPEN	220K	USED	OPEN	47K	USED	USED	OPEN	USED	USED

A B C D E F G H

4.28 AUDIO NR SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

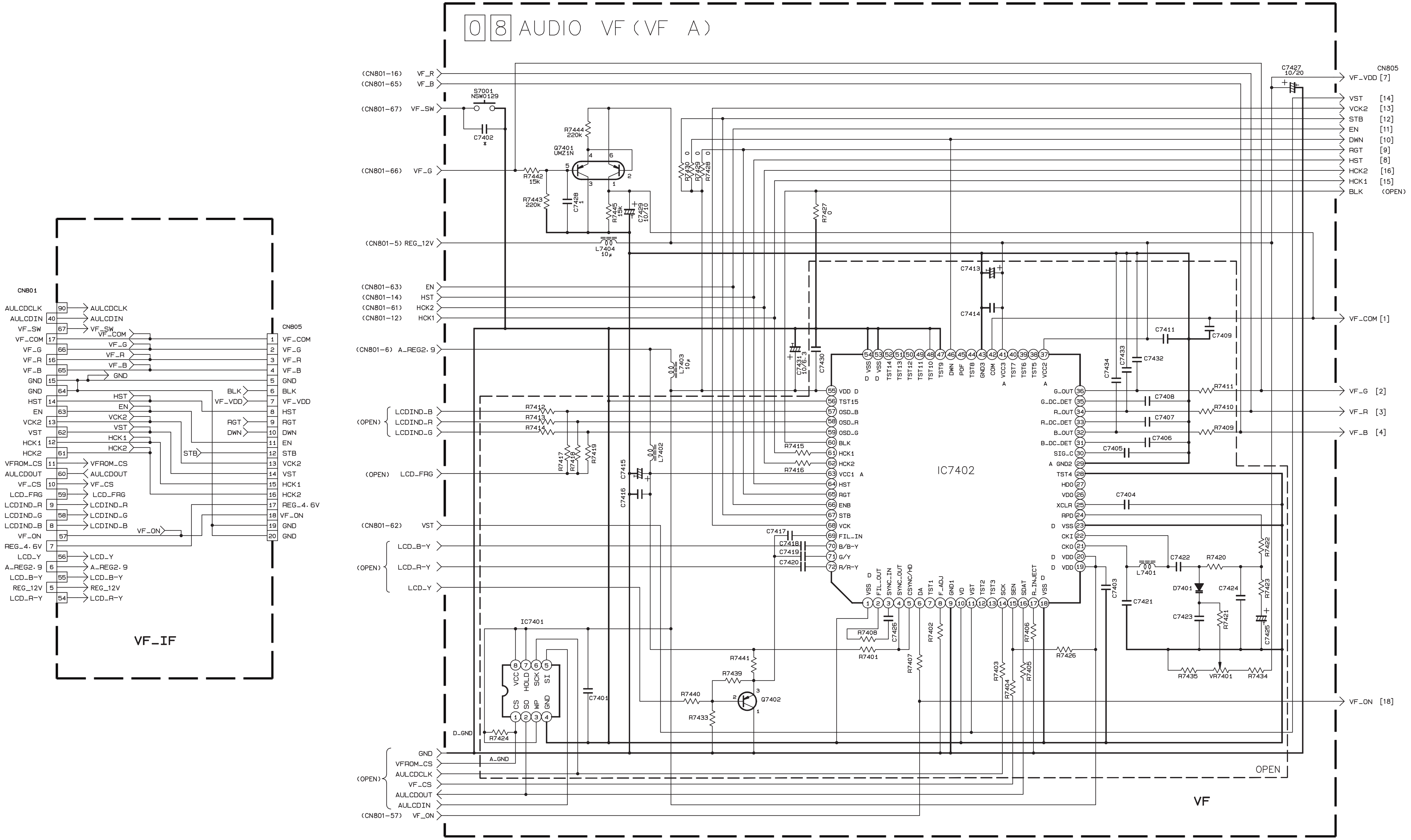


08 AUDIO VF (AUDIO NR)
TO MAIN AUDIO
D_REG2.9
L2131
10µ
C2131
10/6.3
C2132
0.1
GND
R2131
10
R2132
10
R2133
10
R2134
0Ω
R2135 0Ω
R2136
0Ω
R2137
0Ω
R2141
0Ω
DOLRCK1
DOMCK1
DOBCK1
PWAD1
TO AUDIO AD/DA
CN801
40 AULCDIN
74 ANR_CS
90 AULCDCLK
TO MSD CPU CN1016
AULCDIN
AULCDCLK
TO MAIN AUDIO
C2133
*
C2134
100P
C2135
*
C2136
100P
24 TESTIN4
23 LRCLK
22 MCLK
21 BCK
20 XPWDN
19 RESETB
18 TESTIN3
17 TESTIN2
16 TESTIN1
15 SDATA
14 SCS
13 SCLK
IC2103
JCY0137
1 DIN
2 DOUT
3 TESTOUT1
4 VDD
5 TEST1
6 TEST2
7 TEST3
8 VSS
9 TESTOUT2
10 SRAMTEST
11 SCANTESR
12 SCANEN
CN801
KEY_STOP 23
NC 72
KEY_A/M 22
DIAL_OFF 71
DIAL_REC 21
DIAL_DPB 70
DIAL_PB 20
REC_PS 69
REC_VIDEO 19
REC_DSC 68
REC_DUAL 18
TO CPU, MSD CPU CN1016
VF_GND
CN802
GND 1
GND 2
REC_DUAL 10
REC_DSC 11
REC_VIDEO 9
REC_PS 8
DIAL_PB 5
DIAL_DPB 6
DIAL_REC 3
DIAL_OFF 4
KEY_A/M 7
NC/VF_4.6V 12
TO CAMERA OPE UNIT
TO MAIN AUDIO
VF_4.6V
CN803
GND 1
GND 2
KEY_PLAY 3
KEY_STOP 4
KEY_FF 5
KEY_REW 6
TO DECK OPE ASSY
R2002
10K
R2003
1.5K
R2004
1.8K
R2005
2.7K
R2138
0Ω
R2139
0Ω
C2137
100P
C2138
*
R2140
*
AIDAT
TO AUDIO AD/DA
CN801
29 AIDAT1
TO DVMAIN CN1016
REG_4.6V
TO MAIN AUDIO
R2001
470
D2001
TLSU1002/LM/-X
POWER LAMP
GND
5
4
3
2
1
A
B
C
D
E
F
G
H

NOTE : The part with marked(*) is not used.

4.29 VF A SCHEMATIC DIAGRAM

NOTES:
- ***For the destination of each signal and further line connections that are cut off from this diagram, refer to “4.1 BOARD INTERCONNECTIONS”.***
- ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***

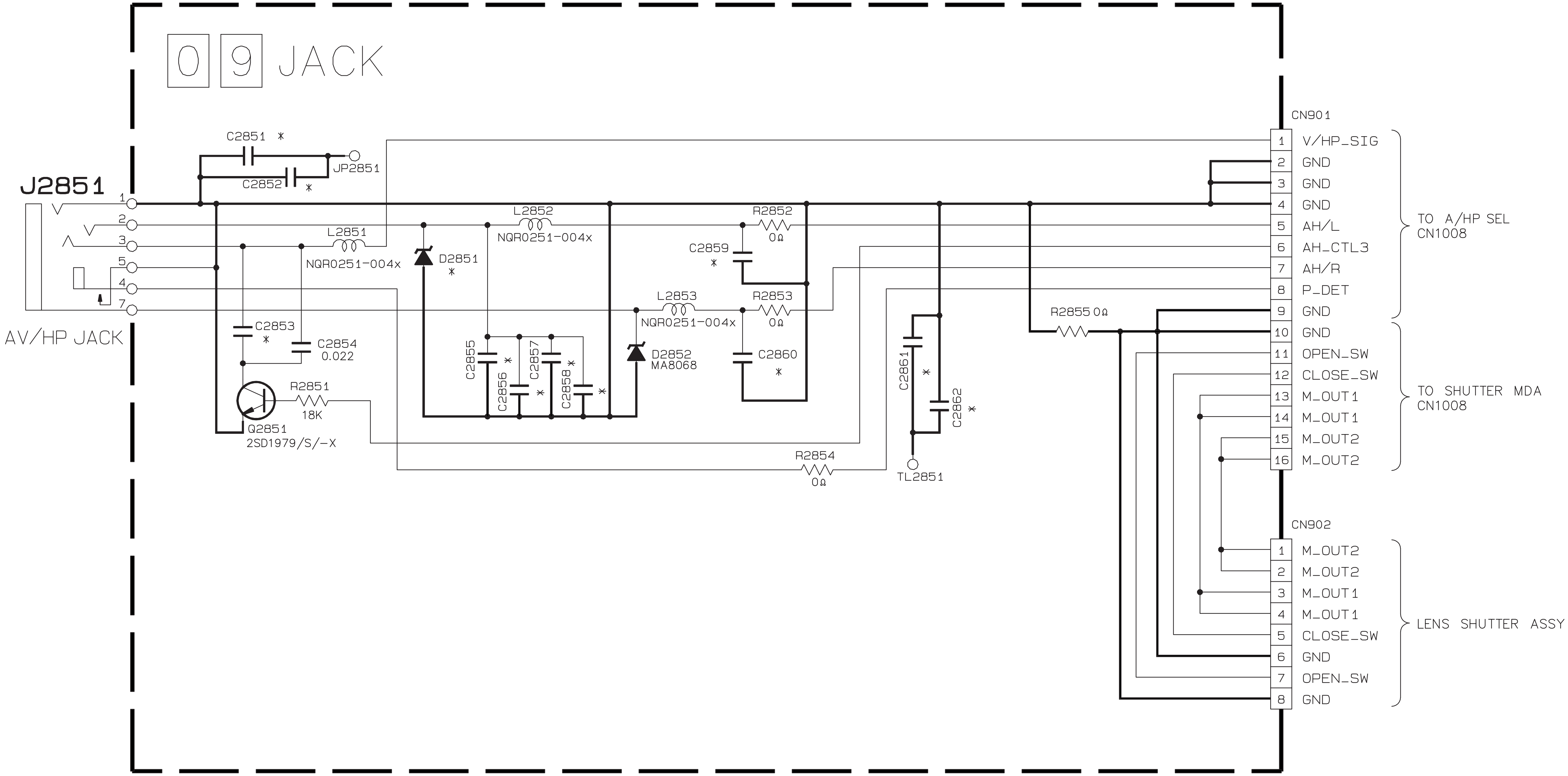


08 AUDIO VF (VF A)
VF_IF
CN801
CN805
VF
OPEN
IC7402
IC7401
Q7401 UMZ1N
Q7402
S7001 NSW0129
C7402 *
L7404 10µ
L7403 10µ
L7401
D7401
VR7401
(CN801-16) VF_R
(CN801-65) VF_B
(CN801-67) VF_SW
(CN801-66) VF_G
(CN801-5) REG_12V
(CN801-63) EN
(CN801-14) HST
(CN801-61) HCK2
(CN801-12) HCK1
(CN801-6) A_REG2.9
(OPEN) LCDIND_B
LCDIND_R
LCDIND_G
(OPEN) LCD_FRG
(CN801-62) VST
(OPEN) LCD_B-Y
LCD_R-Y
LCD_Y
GND
VFROM_CS
AULCDCLK
VF_CS
AULCDOUT
AULCDIN
(CN801-57) VF_ON
VF_VDD [7]
VST [14]
VCK2 [13]
STB [12]
EN [11]
DWN [10]
RGT [9]
HST [8]
HCK2 [16]
HCK1 [15]
BLK (OPEN)
VF_COM [1]
VF_G [2]
VF_R [3]
VF_B [4]
VF_ON [18]
D_GND
A_GND

NOTE : The part with marked(*) is not used.

4.30 JACK SCHEMATIC DIAGRAM

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".***
● ***When ordering parts, be sure to order according to the Part Number indicated in the Parts List.***


09 JACK
J2851
AV/HP JACK
1
2
3
5
4
7
C2851 *
C2852 *
JP2851
L2851
NQR0251-004x
L2852
NQR0251-004x
L2853
NQR0251-004x
D2851 *
D2852
MA8068
C2853 *
C2854
0.022
R2851
18K
Q2851
2SD1979/S/-X
C2855 *
C2856 *
C2857 *
C2858 *
C2859 *
C2860 *
C2861 *
C2862 *
R2852
0Ω
R2853
0Ω
R2854
0Ω
R2855 0Ω
TL2851
CN901
1 V/HP_SIG
2 GND
3 GND
4 GND
5 AH/L
6 AH_CTL3
7 AH/R
8 P_DET
9 GND
10 GND
11 OPEN_SW
12 CLOSE_SW
13 M_OUT1
14 M_OUT1
15 M_OUT2
16 M_OUT2
TO A/HP SEL
CN1008
TO SHUTTER MDA
CN1008
CN902
1 M_OUT2
2 M_OUT2
3 M_OUT1
4 M_OUT1
5 CLOSE_SW
6 GND
7 OPEN_SW
8 GND
LENS SHUTTER ASSY
5
4
3
2
1
A
B
C
D
E
F
G
H

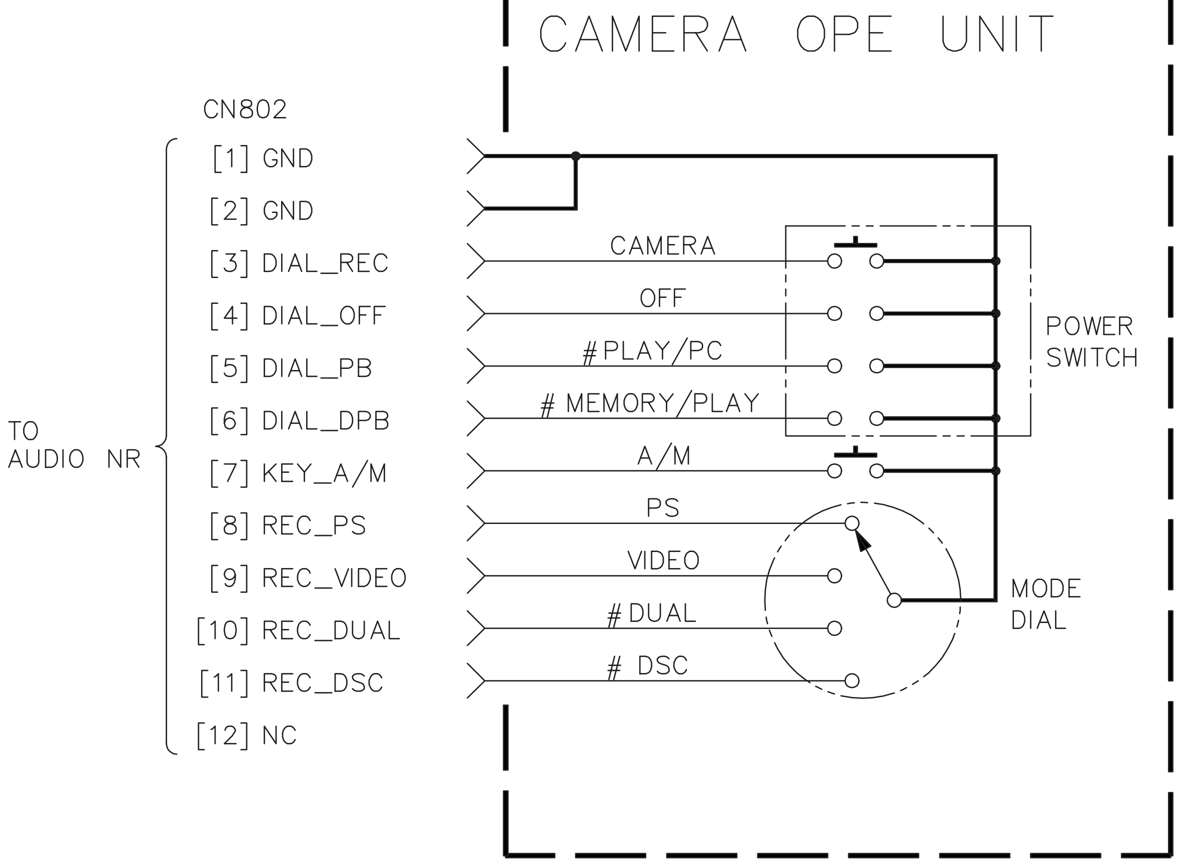
NOTE : The part with marked(*) is not used.

4.31 CAMERA OPE UNIT, SUB OPE ASSY, ZOOM UNIT AND DECK OPE ASSY SCHEMATIC DIAGRAMS

NOTES: ● ***For the destination of each signal and further line connections that are cut off from this diagram, refer to “4.1 BOARD INTERCONNECTIONS”.***

● ***The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.***

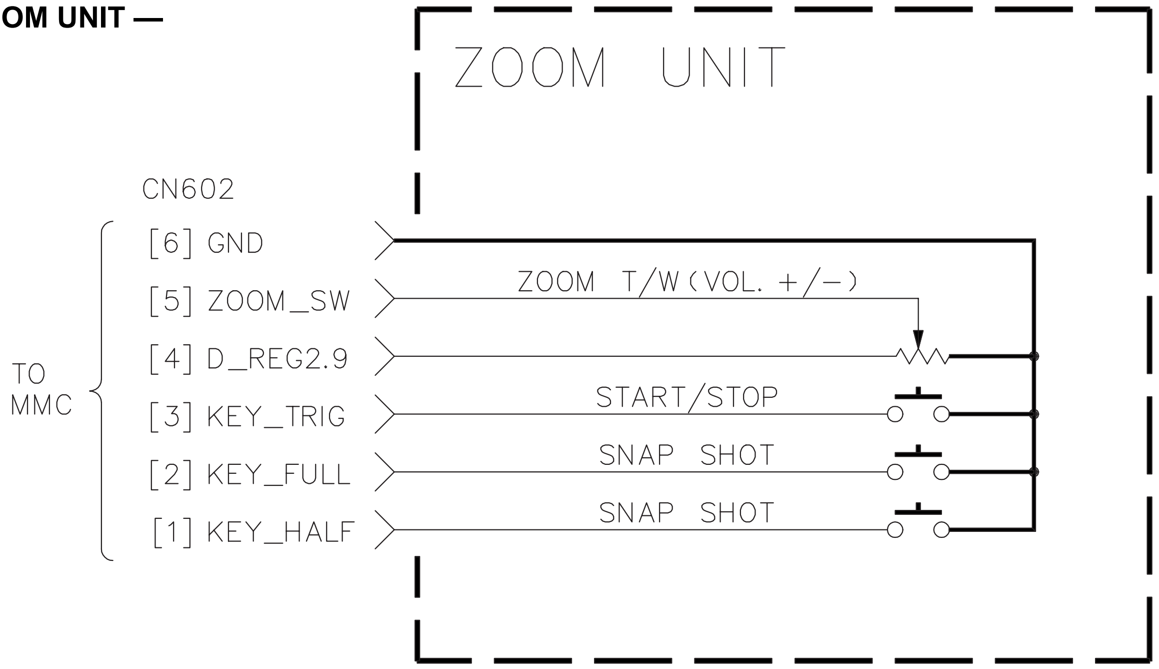
— CAMERA OPE UNIT —


CAMERA OPE UNIT
CN802
[1] GND
[2] GND
[3] DIAL_REC
[4] DIAL_OFF
[5] DIAL_PB
[6] DIAL_DPB
[7] KEY_A/M
[8] REC_PS
[9] REC_VIDEO
[10] REC_DUAL
[11] REC_DSC
[12] NC
TO AUDIO NR
CAMERA
OFF
#PLAY/PC
# MEMORY/PLAY
A/M
PS
VIDEO
#DUAL
# DSC
POWER SWITCH
MODE DIAL

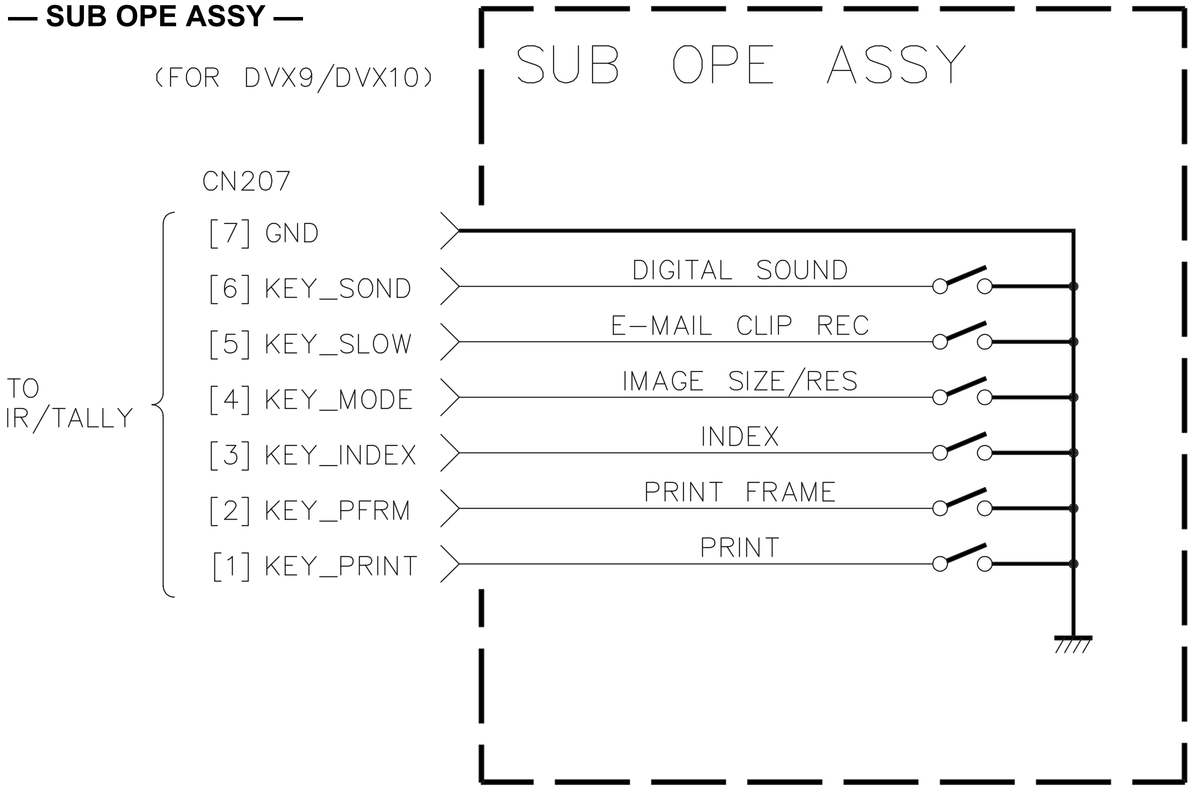
NOTE : COMPARISION CHART OF MODELS & MARKS(#).

FUNCTION / MODELS	PLAY/PC	MEMORY /PLAY	DUAL	DSC
GR-DVX8	PLAY	OPEN	OPEN	OPEN
GR-DVX9/DVX10	PLAY/PC	USED	USED	USED

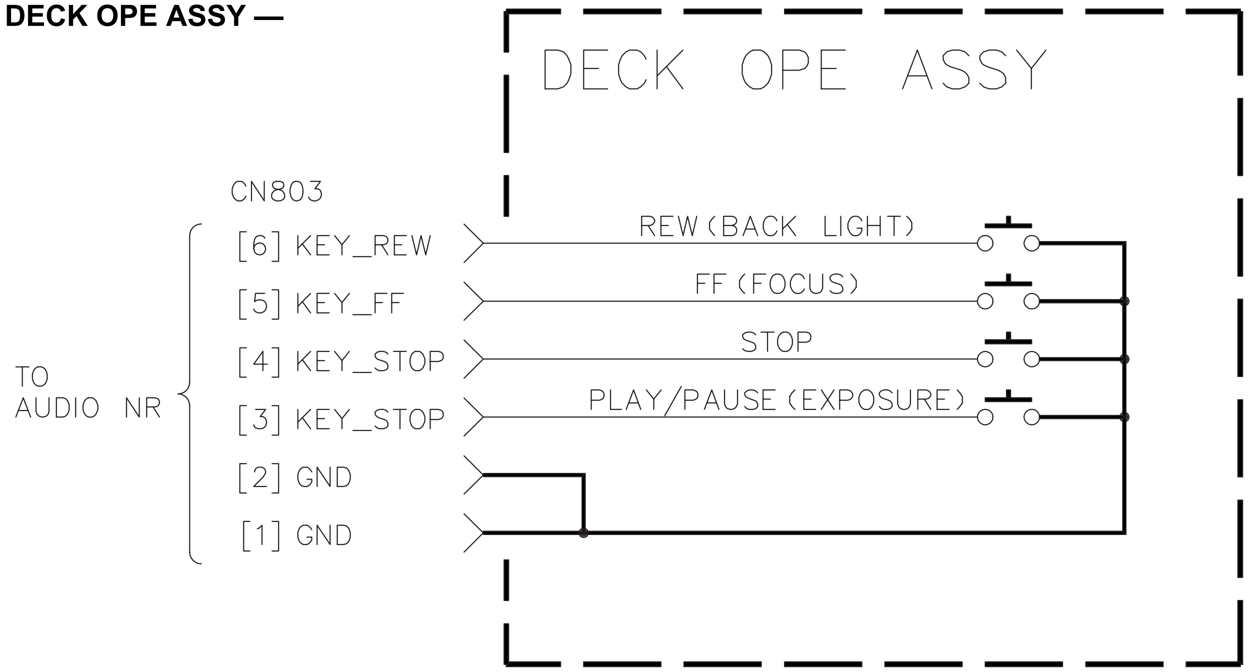
— ZOOM UNIT —


ZOOM UNIT
CN602
[6] GND
[5] ZOOM_SW
[4] D_REG2.9
[3] KEY_TRIG
[2] KEY_FULL
[1] KEY_HALF
TO MMC
ZOOM T/W (VOL. +/−)
START/STOP
SNAP SHOT
SNAP SHOT

— SUB OPE ASSY —

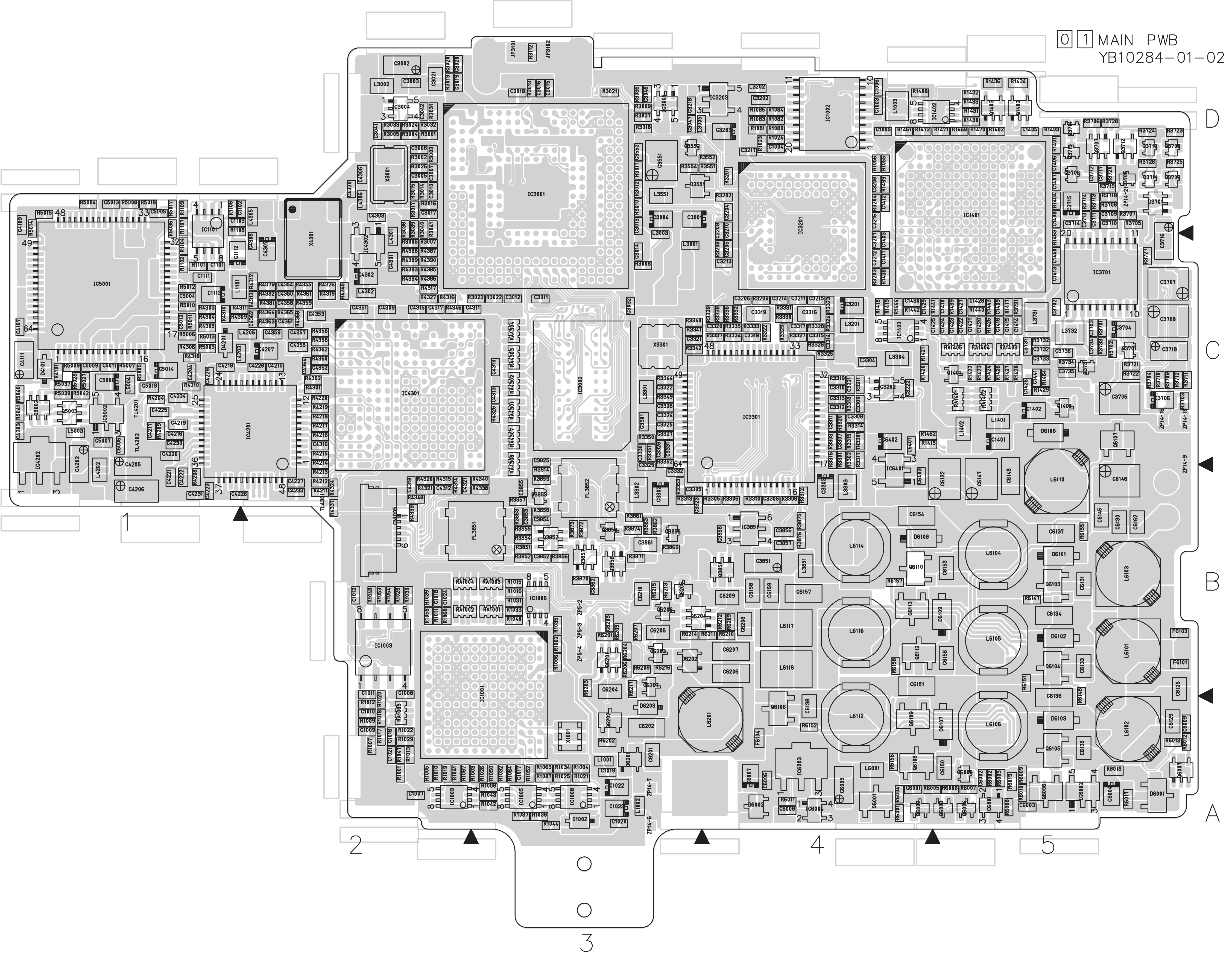

SUB OPE ASSY
(FOR DVX9/DVX10)
CN207
[7] GND
[6] KEY_SOND
[5] KEY_SLOW
[4] KEY_MODE
[3] KEY_INDEX
[2] KEY_PFRM
[1] KEY_PRINT
TO IR/TALLY
DIGITAL SOUND
E-MAIL CLIP REC
IMAGE SIZE/RES
INDEX
PRINT FRAME
PRINT

— DECK OPE ASSY —


DECK OPE ASSY
CN803
[6] KEY_REW
[5] KEY_FF
[4] KEY_STOP
[3] KEY_STOP
[2] GND
[1] GND
TO AUDIO NR
REW (BACK LIGHT)
FF (FOCUS)
STOP
PLAY/PAUSE (EXPOSURE)

4.32 MAIN CURCUIT BOARD

FOIL SIDE (B)



01 MAIN PWB
YB10284-01-02
D
C
B
A
1
2
3
4
5
IC5001
IC4201
IC4301
IC3001
IC3002
IC3201
IC3301
IC1401
IC3701
IC1001
IC1002
IC1003
IC1101
X4301
X3001
X3301
FL3851
FL3852
L6110
L6114
L6104
L6103
L6116
L6105
L6101
L6201
L6112
L6106
L6102
L6117
L6118

COMPONENT PARTS LOCATION GUIDE (MAIN)

REF.No.	LOCATION		
CAPACITOR			
C1003	B	C	4D
C1004	B	C	4D
C1005	B	C	4D
C1006	B	C	4D
C1007	B	C	2A
C1008	B	C	2A
C1009	B	C	2A
C1010	B	C	2A
C1011	B	C	2A
C1012	B	C	2B
C1013	A	C	2B
C1015	A	C	2B
C1016	B	C	2A
C1017	B	C	3A
C1018	B	C	2B
C1019	B	C	3A
C1020	B	C	3A
C1021	B	C	2A
C1022	B	C	3A
C1023	B	C	3A
C1024	B	C	2B
C1101	B	C	1C
C1102	B	C	2D
C1103	B	C	1C
C1111	B	C	1C
C1112	B	C	1C
C1113	B	C	1C
C1201	A	C	4C
C1202	A	C	4C
C1203	A	C	4C
C1204	A	C	4C
C1401	B	C	5C
C1402	B	C	5C
C1403	B	C	4C
C1405	B	C	5D
C1406	B	C	5D
C1407	B	C	5D
C1408	B	C	5D
C1409	B	C	5C
C1410	B	C	5C
C1411	B	C	4C
C1412	B	C	4D
C1413	B	C	5C
C1414	B	C	5C
C1415	B	C	5C
C1416	B	C	5C
C1420	B	C	5C
C1421	B	C	5C
C1422	B	C	5C
C1423	B	C	5C
C1424	B	C	5C
C1425	B	C	5C
C1426	B	C	5C
C1427	B	C	5C
C1428	B	C	5C
C1429	B	C	4C
C1430	B	C	4C
C1431	A	C	4D
C1440	B	C	5C
C1441	B	C	5C
C2704	A	C	5C
C2705	A	C	5C
C2708	A	C	5C
C2709	A	C	5C
C2751	A	C	5C
C2752	A	C	4C
C2753	A	C	5D
C2754	A	C	5C
C2756	A	C	5D
C2757	A	C	5D
C2758	A	C	5D
C2759	A	C	5D
C2760	A	C	5D
C2761	A	C	5D
C2762	A	C	5D
C2763	A	C	5C
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C8126	A	C	4A
CONNECTOR			
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CN1002	A	C	4D
CN1003	A	C	1C
CN1004	A	C	1C
CN1005	B	C	2B
CN1007	A	C	3B
CN1008	A	C	5C
CN1009	A	C	2C
CN1010	A	C	3A
CN1011	A	C	1C
CN1014	A	C	5C
CN1016	A	C	2A
DIODE			
D1002	B	C	3A
D1201	A	C	4C
D1401	A	C	4D
D2751	A	C	5C
D2752	A	C	5C
D2753	A	C	5C
D2754	A	C	5C
D2755	A	C	5C
D3701	B	C	5D
D4101	B	C	1C
D4201	B	C	1C
D6001	B	C	5A
D6002	B	C	4A
D6101	B	C	5B
D6102	B	C	5B
D6103	B	C	5A
D6106	B	C	5C
D6107	B	C	5A
D6108	B	C	4B
D6109	B	C	5B
D6201	B	C	3A
D6202	B	C	3B
D6203	B	C	3A
FUSE			
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F6102	A	C	5B
F6103	B	C	5B
F6104	B	C	4A
IC			
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IC1002	B	C	4D
IC1003	B	C	2B
IC1004	A	C	2B
IC1005	B	C	3A
IC1006	B	C	3B
IC1008	B	C	3A
IC1009	B	C	2A
IC1101	B	C	1C
IC1201	A	C	4C
IC1401	B	C	5D
IC1402	B	C	5D
IC1403	B	C	4C
IC1405	A	C	3A
IC2701	A	C	5C
IC2751	A	C	5D
IC3001	B	C	3D
IC3002	B	C	3C
IC3004	B	C	2D
IC3005	B	C	3D
IC3101	A	C	2D
IC3201	B	C	4C
IC3202	B	C	4C
IC3203	B	C	4D
IC3301	B	C	4C
IC3501	A	C	3C
IC3701	B	C	5C
IC3702	A	C	5B
IC3801	A	C	3C
IC3851	B	C	4B
IC4201	B	C	2C
IC4202	B	C	1B
IC4301	B	C	2C
IC4302	B	C	2C
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IC4401	A	C	3C
IC5001	B	C	1C
IC5002	B	C	1C
IC5004	A	C	2C
IC6001	B	C	5A
IC6002	B	C	5A
IC6003	B	C	4A
IC6004	B	C	4A
IC6101	A	C	5A
IC6401	B	C	4B
IC6601	A	C	1C
IC8001	A	C	4B
IC8002	A	C	3B
IC8003	A	C	5B
IC8004	A	C	4C
IC8005	A	C	5A
IC8006	A	C	5B
IC8007	A	C	5A
IC8008	A	C	4A
IC8009	A	C	4C
IC8101	A	C	4A
IC8102	A	C	4A
IC8103	A	C	4A
COIL			
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L1002	B	C	3A
L1003	B	C	4D
L1101	B	C	1C
L1201	A	C	4C
L1401	B	C	5C
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L2701	A	C	5C
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L3001	B	C	3C
L3002	B	C	2D
L3003	B	C	3C
L3005	B	C	3D
L3101	A	C	2C
L3102	A	C	2C
L3103	A	C	3D
L3104	A	C	3D
L3201	B	C	4C
L3202	B	C	4D
L3301	B	C	3C
L3302	B	C	3B
L3303	B	C	4B
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L3502	A	C	4D
L3503	A	C	3C
L3504	A	C	4C
L3551	B	C	3D
L3701	A	C	5B
L3731	B	C	5C
L3732	B	C	5C
L3801	A	C	2C
L3802	A	C	3C
L3851	B	C	4B
L4101	A	C	1C
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L4304	A	C	2C
L4305	B	C	2D
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L6117	B	C	4B
L6118	B	C	4B
L6201	B	C	4A
L6601	A	C	1C
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L8002	A	C	4B
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L8005	A	C	4B
L8006	A	C	5B
L8007	A	C	5B
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L8010	A	C	4B
L8011	A	C	3A
L8101	A	C	3A
L8102	A	C	3A
TRANSISTOR			
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Q1402	B	C	5D
Q1403	B	C	5D
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Q1406	A	C	4D
Q1407	A	C	4D
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Q6006	B	C	5A
Q6007	B	C	5A
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Q6613	A	C	1C
Q6614	A	C	1C
Q6615	A	C	1C
Q7501	A	C	2A
RESISTOR			
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R1002	B	C	3B
R1003	B	C	3A
R1004	B	C	3A
R1005	B	C	2A
R1006	B	C	3B
R1007	B	C	2A
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R1015	B	C	3B
R1016	B	C	3B
R1017	B	C	2A
R1018	B	C	2A
R1019	B	C	2A
R1020	B	C	2A
R1021	B	C	3A
R1022	B	C	2A
R1023	B	C	4D
R1024	B	C	4D
R1025	B	C	3A
R1026	B	C	3A
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R1030	B	C	2B
R1031	B	C	3B
R1032	B	C	3A
R1033	B	C	3B
R1034	B	C	3A
R1035	B	C	3B
R1036	A	C	3A
R1037	B	C	3A
R1038	B	C	3A
R1039	B	C	2B
R1040	B	C	3B
R1041	B	C	2A
R1042	B	C	3A
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R1044	B	C	3A
R1045	A	C	2B
R1047	B	C	2A
R1048	B	C	2B

REF.No.	LOCATION		
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R1081	B	C	4D
R1082	B	C	4D
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R1087	B	C	3A
R1101	B	C	1C
R1102	B	C	1C
R1104	B	C	1C
R1106	B	C	1D
R1107	B	C	1C
R1108	B	C	1C
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R1202	A	C	4C
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RA8001	A	C	3B
RA8002	A	C	3B
RA8003	A	C	3C
RA8004	A	C	3C
TEST POINT			
TP1	A	D	5B
TP2	A	D	5B
TP3	A	D	5C
OTHER			
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FL3852	B	C	3B
J101	A	C	3D
JP3101	B	C	3D
JP3102	B	C	3D
S1001	A	C	3D
S1401	A	C	3A
TH3301	B	C	4C
TL1002	A	C	2A
TL1006	A	C	2A
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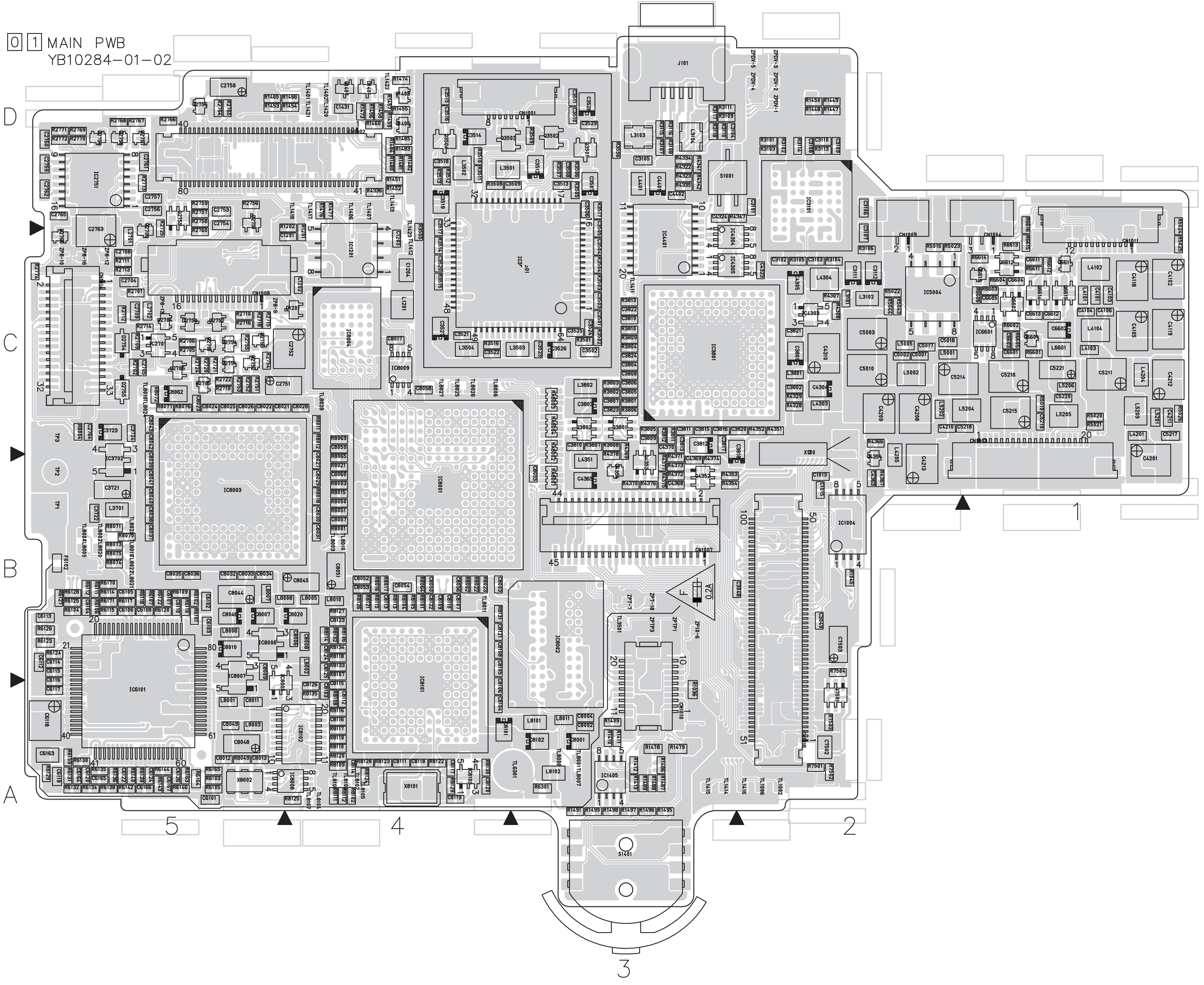
TL4201	B	C	1C
TL4202	B	C	1C
TL4301	B	C	2B
TL6301	A	D	3A
TL8001	A	C	3A
TL8002	A	C	5B
TL8003	A	C	4B
TL8004	A	C	5B
TL8005	A	C	5B
TL8006	A	C	4C
TL8007	A	C	3A
TL8008	A	C	3A
TL8010	A	C	4B
TL8011	A	C	4B
TL8018	A	C	5C
TL8019	A	C	5B
TL8020	A	C	5B
TL8021	A	C	5B
TL8022	A	C	5B
TL8023	A	C	5B
TL8024	A	C	5C
TL8025	A	C	4C
TL8026	A	C	4C
TL8027	A	C	4C
TL8028	A	C	4C
TL8101	A	C	4A
TL8102	A	C	4A
TL8104	A	C	4A
TL8105	A	C	4A
TL8106	A	C	4A
TL8107	A	C	4A
X1001	B	C	3A
X1002	A	C	2B
X3001	B	C	2D
X3301	B	C	3C
X4301	B	C	2C
X8002	A	C	5A
X8101	A	C	4A
ZP5-2	B	C	3B
ZP5-3	B	C	3B
ZP5-4	B	C	3B
ZP7-7	A	C	3B
ZP8-9	A	C	5C
ZP10-6	A	C	3B
ZP14-6	B	C	3A
ZP14-7	B	C	3A
ZP14-9	B	C	5B
ZP7-18	A	C	3B
ZP8-10	A	C	5C
ZP8-12	A	C	5C
ZP8-13	A	C	5C
ZP8-16	A	C	5C
ZP14-16	B	C	5C
ZP14-18	B	C	5C
ZP14-21	B	C	5D
ZPDV-1	A	C	2D
ZPDV-2	A	C	2D
ZPDV-3	A	C	2D
ZPDV-4	A	C	2D
ZPDV-5	A	C	2D
ZPTP1	A	C	3B
ZPTP3	A	C	3B

COMPONENT SIDE (A)

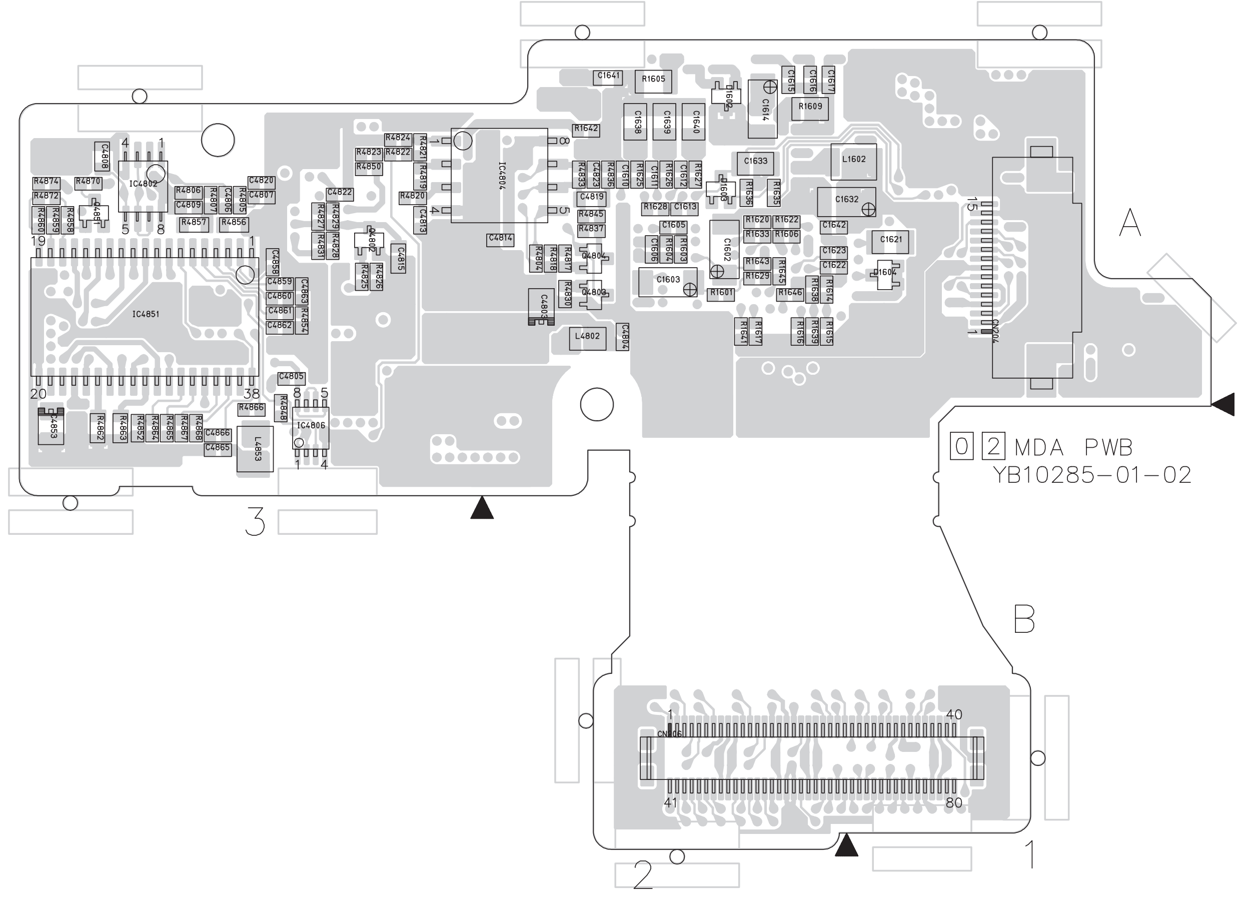


0 1 MAIN PWB
YB10284-01-02
D
C
B
A
1
2
3
4
5
J101
S1001
S1401
IC2751
IC1201
IC3101
IC3801
IC4401
IC5004
IC6601
IC8003
IC8001
IC8101
IC8002
IC6101
IC8009
IC8004
IC1004
IC1405
IC1010
CN1001
CN1007
CN1008
CN1009
CN1004
CN1011
CN1010
X1020
X8101
X8002
L3501
L3502
L3503
L3504
F
0.2A
TP1
TP2
TP3

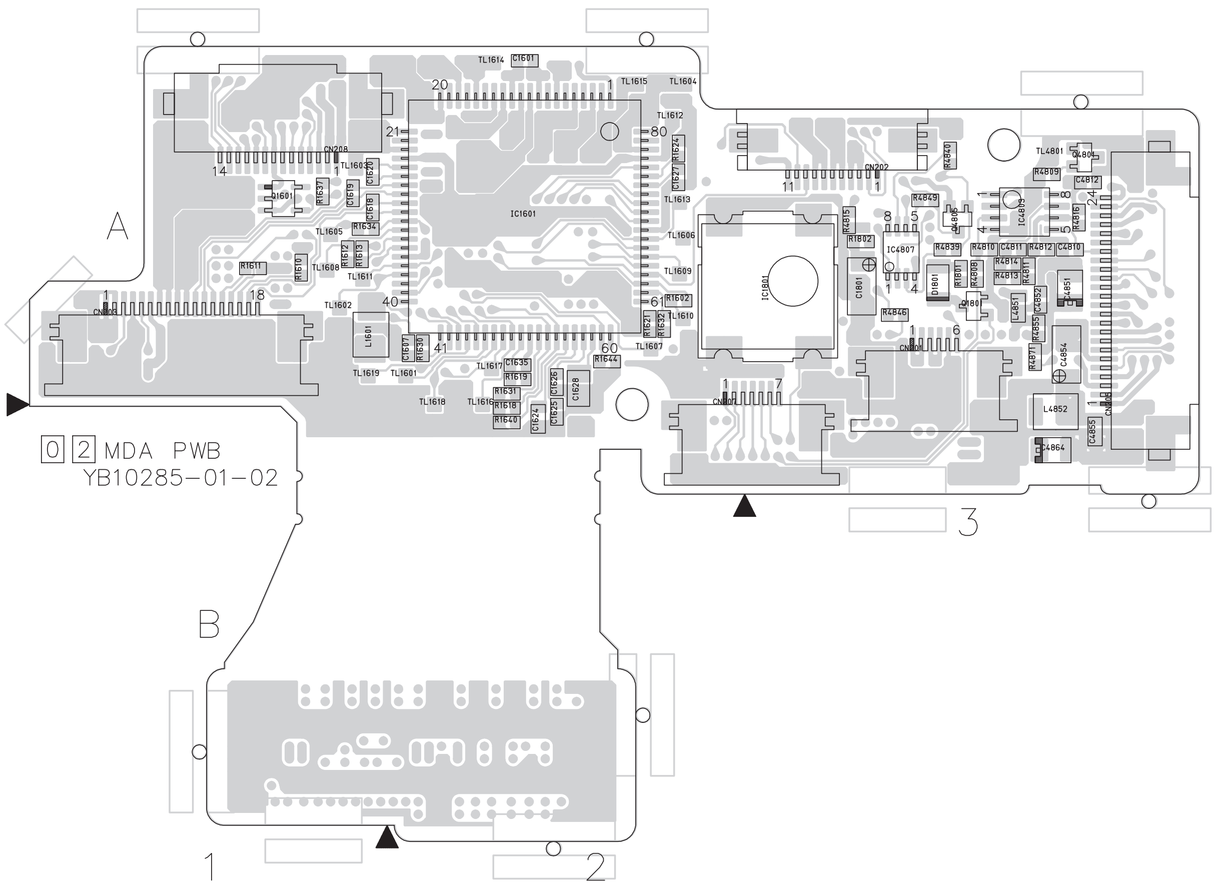
4.33 MDA AND CCD CIRCUIT BOARDS

— MDA —

FOIL SIDE (B)


A
B
3
2
1
02 MDA PWB
YB10285-01-02
IC4851
IC4802
IC4806
L4802
L4853
L1602
C1632
C1621
C1603
R1601
R1605
R1609
20
38
19
1
40
41
80

COMPONENT SIDE (A)

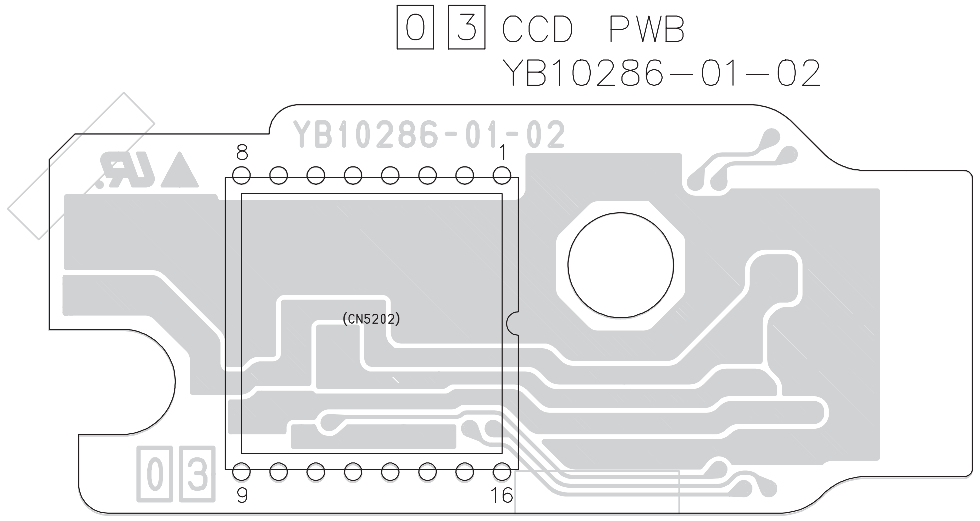

A
B
3
2
1
02 MDA PWB
YB10285-01-02
IC1601
IC1801
IC4807
IC4803
L1601
L4852
CN202
CN204
CN201
TL1601
TL1602
TL1604
TL1605
TL1606
TL1607
TL1608
TL1609
TL1610
TL1611
TL1612
TL1613
TL1614
TL1615
TL1616
TL1617
TL1618
TL1619
TL4801
20
21
40
60
61
80
1
14
18
11
24

COMPONENT PARTS LOCATION GUIDE (MDA)

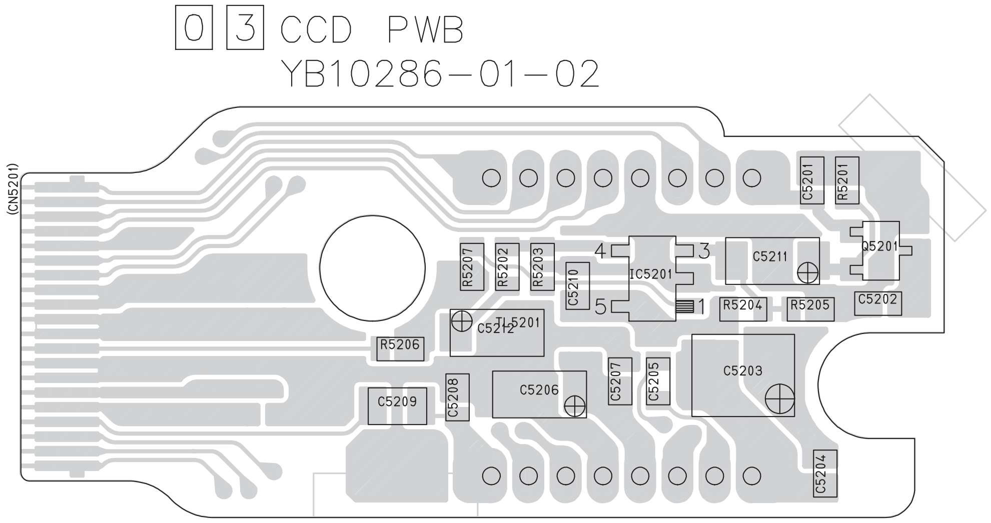
REF.No.	LOCATION		
CAPACITOR			
C1601	A	C	2A
C1602	B	C	2A
C1603	B	C	2A
C1605	B	C	2A
C1606	B	C	2A
C1607	A	C	2A
C1610	B	C	2A
C1611	B	C	2A
C1612	B	C	2A
C1613	B	C	2A
C1614	B	C	2A
C1615	B	C	2A
C1616	B	C	2A
C1617	B	C	2A
C1618	A	C	1A
C1619	A	C	1A
C1620	A	C	1A
C1621	B	C	1A
C1622	B	C	2A
C1623	B	C	2A
C1624	A	C	2B
C1625	A	C	2B
C1626	A	C	2B
C1627	A	C	2A
C1628	A	C	2B
C1632	B	C	2A
C1633	B	C	2A
C1635	A	C	2B
C1638	B	C	2A
C1639	B	C	2A
C1640	B	C	2A
C1641	B	C	2A
C1642	B	C	2A
C1801	A	C	3A
C4803	B	C	2A
C4804	B	C	2A
C4805	B	C	3B
C4806	B	C	3A
C4807	B	C	3A
C4808	B	C	3A
C4809	B	C	3A
C4810	A	C	3A
C4811	A	C	3A
C4812	A	C	3A
C4813	B	C	3A
C4814	B	C	2A
C4815	B	C	3A
C4819	B	C	2A
C4820	B	C	3A
C4822	B	C	3A
C4823	B	C	2A
C4851	A	C	3A
C4852	A	C	3A
C4853	B	C	3B
C4854	A	C	3A
C4855	A	C	3B
C4858	B	C	3A
C4859	B	C	3A
C4860	B	C	3A
C4861	B	C	3A
C4862	B	C	3A
C4863	B	C	3A
C4864	A	C	3B
C4865	B	C	3B
C4866	B	C	3B
CONNECTOR			
CN201	A	C	3A
CN202	A	C	3A
CN203	A	C	1A
CN204	B	C	1A
CN205	A	C	3B
CN206	B	C	2B
CN207	A	C	2B
CN208	A	C	1A
DIODE			
D1602	B	C	2A
D1603	B	C	2A
D1604	B	C	1A
D1801	A	C	3A
IC			
IC1601	A	C	2A
IC1801	A	C	3A
IC4802	B	C	3A
IC4803	A	C	3A
IC4804	B	C	2A
IC4806	B	C	3B
IC4807	A	C	3A
IC4851	B	C	3A
COIL			
L1601	A	C	1A
L1602	B	C	1A
L4802	B	C	2A
L4851	A	C	3A
L4852	A	C	3B
L4853	B	C	3B
TRANSISTOR			
Q1601	A	C	1A
Q1801	A	C	3A
Q4801	A	C	3A
Q4802	B	C	3A
Q4803	B	C	2A
Q4804	B	C	2A
Q4805	A	C	3A
Q4851	B	C	3A
RESISTOR			
R1601	B	C	2A
R1602	A	C	2A
R1603	B	C	2A
R1604	B	C	2A
R1605	B	C	2A
R1606	B	C	2A
R1609	B	C	2A
R1610	A	C	1A
R1611	A	C	1A
R1612	A	C	1A
R1613	A	C	1A
R1614	B	C	2A
R1615	B	C	2A
R1616	B	C	2A
R1617	B	C	2A
R1618	A	C	2B
R1619	A	C	2B
R1620	B	C	2A
R1621	A	C	2A
R1622	B	C	2A
R1624	A	C	2A
R1625	B	C	2A
R1626	B	C	2A
R1627	B	C	2A
R1628	B	C	2A
R1629	B	C	2A
R1630	A	C	2A
R1631	A	C	2B
R1632	A	C	2A
R1633	B	C	2A
R1634	A	C	1A
R1635	B	C	2A
R1636	B	C	2A
R1637	A	C	1A
R1638	B	C	2A
R1639	B	C	2A
R1640	A	C	2B
R1641	B	C	2A
R1642	B	C	2A
R1643	B	C	2A
R1644	A	C	2A
R1645	B	C	2A
R1646	B	C	2A
R1801	A	C	3A
R1802	A	C	3A
R4804	B	C	2A
R4805	B	C	3A
R4806	B	C	3A
R4807	B	C	3A
R4808	A	C	3A
R4809	A	C	3A
R4810	A	C	3A
R4811	A	C	3A
R4812	A	C	3A
R4813	A	C	3A
R4814	A	C	3A
R4815	A	C	3A
R4816	A	C	3A
R4817	B	C	2A
R4818	B	C	2A
R4819	B	C	3A
R4820	B	C	3A
R4821	B	C	3A
R4822	B	C	3A
R4823	B	C	3A
R4824	B	C	3A
R4825	B	C	3A
R4826	B	C	3A
R4827	B	C	3A
R4828	B	C	3A
R4829	B	C	3A
R4830	B	C	2A
R4831	B	C	3A
R4833	B	C	2A
R4836	B	C	2A
R4837	B	C	2A
R4839	A	C	3A
R4840	A	C	3A
R4845	B	C	2A
R4846	A	C	3A
R4848	B	C	3B
R4849	A	C	3A
R4850	B	C	3A
R4852	B	C	3B
R4854	B	C	3A
R4855	A	C	3A
R4856	B	C	3A
R4857	B	C	3A
R4858	B	C	3A
R4859	B	C	3A
R4860	B	C	3A
R4862	B	C	3B
R4863	B	C	3B
R4864	B	C	3B
R4865	B	C	3B
R4866	B	C	3B
R4867	B	C	3B
R4868	B	C	3B
R4870	B	C	3A
R4871	A	C	3A
R4872	B	C	3A
R4874	B	C	3A
OTHER			
TL1601	A	C	2B
TL1602	A	C	1A
TL1603	A	C	1A
TL1604	A	C	2A
TL1605	A	C	1A
TL1606	A	C	2A
TL1607	A	C	2A
TL1608	A	C	1A
TL1609	A	C	2A
TL1610	A	C	2A
TL1611	A	C	1A
TL1612	A	C	2A
TL1613	A	C	2A
TL1614	A	C	2A
TL1615	A	C	2A
TL1616	A	C	2B
TL1617	A	C	2B
TL1618	A	C	2B
TL1619	A	C	1B
TL4801	A	C	3A

— CCD —

FOIL SIDE (B)


03 CCD PWB
YB10286-01-02
YB10286-01-02
8
1
9
16
(CN5202)
03

COMPONENT SIDE (A)

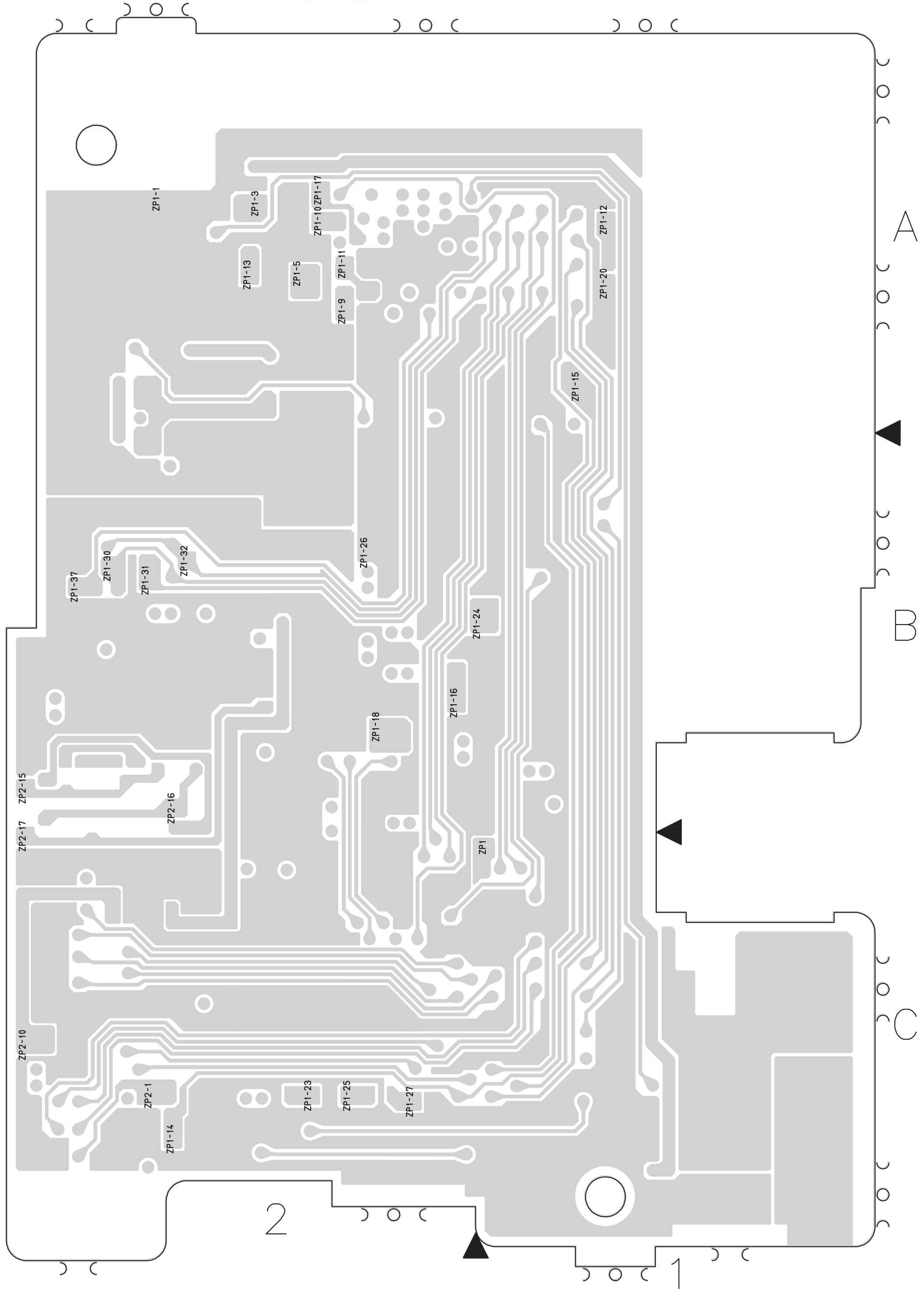

03 CCD PWB
YB10286-01-02
(CN5201)
C5201
R5201
Q5201
C5202
C5211
IC5201
4
3
5
1
R5207
R5202
R5203
C5210
R5204
R5205
L5201
C5212
R5206
C5209
C5208
C5206
C5207
C5205
C5203
C5204

4.34 MONITOR AND PULL DOWN CIRCUIT BOARDS

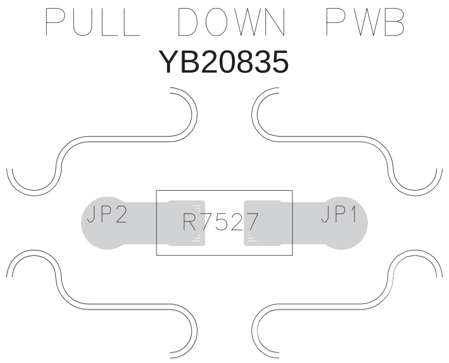
(FOR DVX8EG/DVX9EG/EK/DVX10EG)

— MONITOR —

FOIL SIDE (B)


0 4 MONITOR PWB
YB10289-01-01
A
B
C
1
2
ZP1-1
ZP1-3
ZP1-10
ZP1-17
ZP1-13
ZP1-5
ZP1-11
ZP1-9
ZP1-12
ZP1-20
ZP1-15
ZP1-37
ZP1-30
ZP1-31
ZP1-32
ZP1-26
ZP1-24
ZP1-16
ZP1-18
ZP1
ZP2-15
ZP2-16
ZP2-17
ZP2-10
ZP2-1
ZP1-14
ZP1-23
ZP1-25
ZP1-27

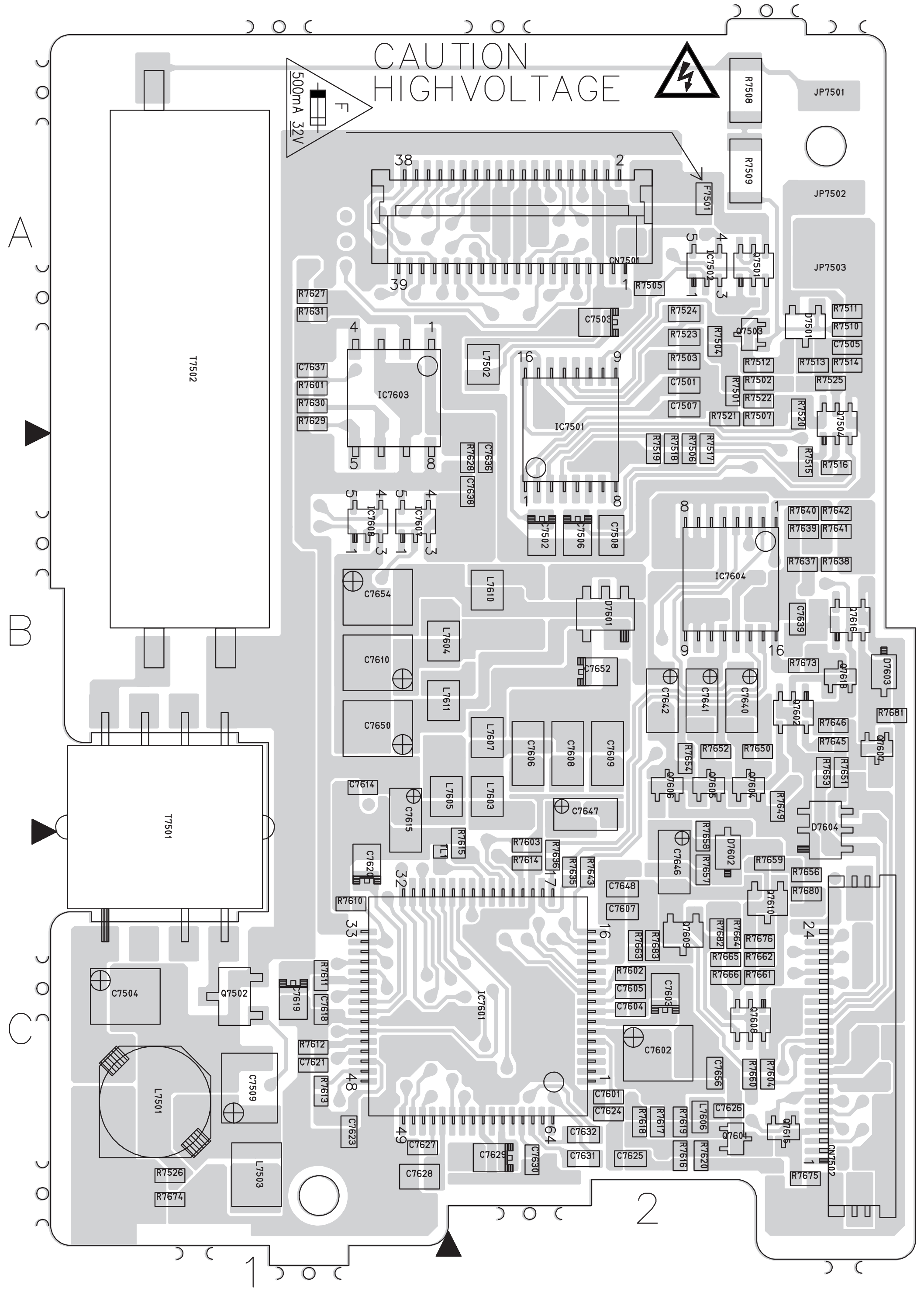
— PULL DOWN —


PULL DOWN PWB
YB20835
JP2
R7527
JP1

COMPONENT PARTS LOCATION GUIDE (MONITOR)

REF.No.	LOCATION		
CAPACITOR			
C7501	A	C	2A
C7502	A	C	2B
C7503	A	C	2A
C7504	A	C	1C
C7505	A	C	2A
C7506	A	C	2B
C7507	A	C	2A
C7508	A	C	2B
C7509	A	C	1C
C7601	A	C	2C
C7602	A	C	2C
C7603	A	C	2C
C7604	A	C	2C
C7605	A	C	2C
C7606	A	C	2B
C7607	A	C	2C
C7608	A	C	2B
C7609	A	C	2B
C7610	A	C	1B
C7614	A	C	1B
C7615	A	C	1C
C7618	A	C	1C
C7619	A	C	1C
C7620	A	C	1C
C7621	A	C	1C
C7623	A	C	1C
C7624	A	C	2C
C7625	A	C	2C
C7626	A	C	2C
C7627	A	C	1C
C7628	A	C	1C
C7629	A	C	2C
C7630	A	C	2C
C7631	A	C	2C
C7632	A	C	2C
C7636	A	C	2B
C7637	A	C	1A
C7638	A	C	2B
C7639	A	C	2B
C7640	A	C	2B
C7641	A	C	2B
C7642	A	C	2B
C7646	A	C	2C
C7647	A	C	2B
C7648	A	C	2C
C7650	A	C	1B
C7652	A	C	2B
C7654	A	C	1B
C7656	A	C	2C
CONNECTOR			
CN7501	A	C	2A
CN7502	A	C	2C
DIODE			
D7501	A	C	2A
D7601	A	C	2B
D7602	A	C	2C
D7603	A	C	2B
D7604	A	C	2C
FUSE			
F7501	A	C	2A
IC			
IC7501	A	C	2B
IC7502	A	C	2A
IC7601	A	C	2C
IC7603	A	C	1A
IC7604	A	C	2B
IC7607	A	C	1B
IC7608	A	C	1B
COIL			
L7501	A	C	1C
L7502	A	C	2A
L7503	A	C	1C
L7603	A	C	2B
L7604	A	C	1B
L7605	A	C	1B
L7606	A	C	2C
L7607	A	C	2B
L7610	A	C	2B
L7611	A	C	1B
TRANSISTOR			
Q7501	A	C	2A
Q7502	A	C	1C
Q7503	A	C	2A
Q7504	A	C	2B
Q7601	A	C	2C
Q7602	A	C	2B
Q7604	A	C	2B
Q7605	A	C	2B
Q7606	A	C	2B
Q7607	A	C	2B
Q7608	A	C	2C
Q7609	A	C	2C
Q7610	A	C	2C
Q7615	A	C	2C
Q7616	A	C	2B
Q7618	A	C	2B
RESISTOR			
R7501	A	C	2A
R7502	A	C	2A
R7503	A	C	2A
R7504	A	C	2A
R7505	A	C	2A
R7506	A	C	2B
R7507	A	C	2A
R7508	A	C	2A
R7509	A	C	2A
R7510	A	C	2A
R7511	A	C	2A
R7512	A	C	2A
R7513	A	C	2A
R7514	A	C	2A
R7515	A	C	2B
R7516	A	C	2B
R7517	A	C	2B
R7518	A	C	2B
R7519	A	C	2B
R7520	A	C	2A
R7521	A	C	2A
R7522	A	C	2A
R7523	A	C	2A
R7524	A	C	2A
R7525	A	C	2A
R7526	A	C	1C
R7601	A	C	1A
R7602	A	C	2C
R7603	A	C	2C
R7604	A	C	2C
R7610	A	C	1C
R7611	A	C	1C
R7612	A	C	1C
R7613	A	C	1C
R7614	A	C	2C
R7615	A	C	2C
R7616	A	C	2C
R7617	A	C	2C
R7618	A	C	2C
R7619	A	C	2C
R7620	A	C	2C
R7627	A	C	1A
R7628	A	C	2B
R7629	A	C	1B
R7630	A	C	1A
R7631	A	C	1A
R7635	A	C	2C
R7636	A	C	2C
R7637	A	C	2B
R7638	A	C	2B
R7639	A	C	2B
R7640	A	C	2B
R7641	A	C	2B
R7642	A	C	2B
R7643	A	C	2C
R7645	A	C	2B
R7646	A	C	2B
R7649	A	C	2B
R7650	A	C	2B
R7651	A	C	2B
R7652	A	C	2B
R7653	A	C	2B
R7654	A	C	2B
R7656	A	C	2C
R7657	A	C	2C
R7658	A	C	2C
R7659	A	C	2C
R7660	A	C	2C
R7661	A	C	2C
R7662	A	C	2C
R7663	A	C	2C
R7664	A	C	2C
R7665	A	C	2C
R7666	A	C	2C
R7673	A	C	2B
R7674	A	C	1C
R7675	A	C	2C
R7676	A	C	2C
R7680	A	C	2C
R7681	A	C	2B
R7682	A	C	2C
R7683	A	C	2C
OTHER			
JP7501	A	C	2A
JP7502	A	C	2A
JP7503	A	C	2A
T7501	A	C	1C
T7502	A	C	1A
TL1	A	C	1C
ZP1	B	C	1C
ZP1-1	B	C	2A
ZP1-3	B	C	2A
ZP1-5	B	C	2A
ZP1-9	B	C	2A
ZP2-1	B	C	2C
ZP1-10	B	C	2A
ZP1-11	B	C	2A
ZP1-12	B	C	1A
ZP1-13	B	C	2A
ZP1-14	B	C	2C
ZP1-15	B	C	1A
ZP1-16	B	C	2B
ZP1-17	B	C	2A
ZP1-18	B	C	2B
ZP1-20	B	C	1A
ZP1-23	B	C	2C
ZP1-24	B	C	1B
ZP1-25	B	C	2C
ZP1-26	B	C	2B
ZP1-27	B	C	2C
ZP1-30	B	C	2B
ZP1-31	B	C	2B
ZP1-32	B	C	2B
ZP1-37	B	C	2B
ZP2-10	B	C	2C
ZP2-15	B	C	2B
ZP2-16	B	C	2B
ZP2-17	B	C	2C

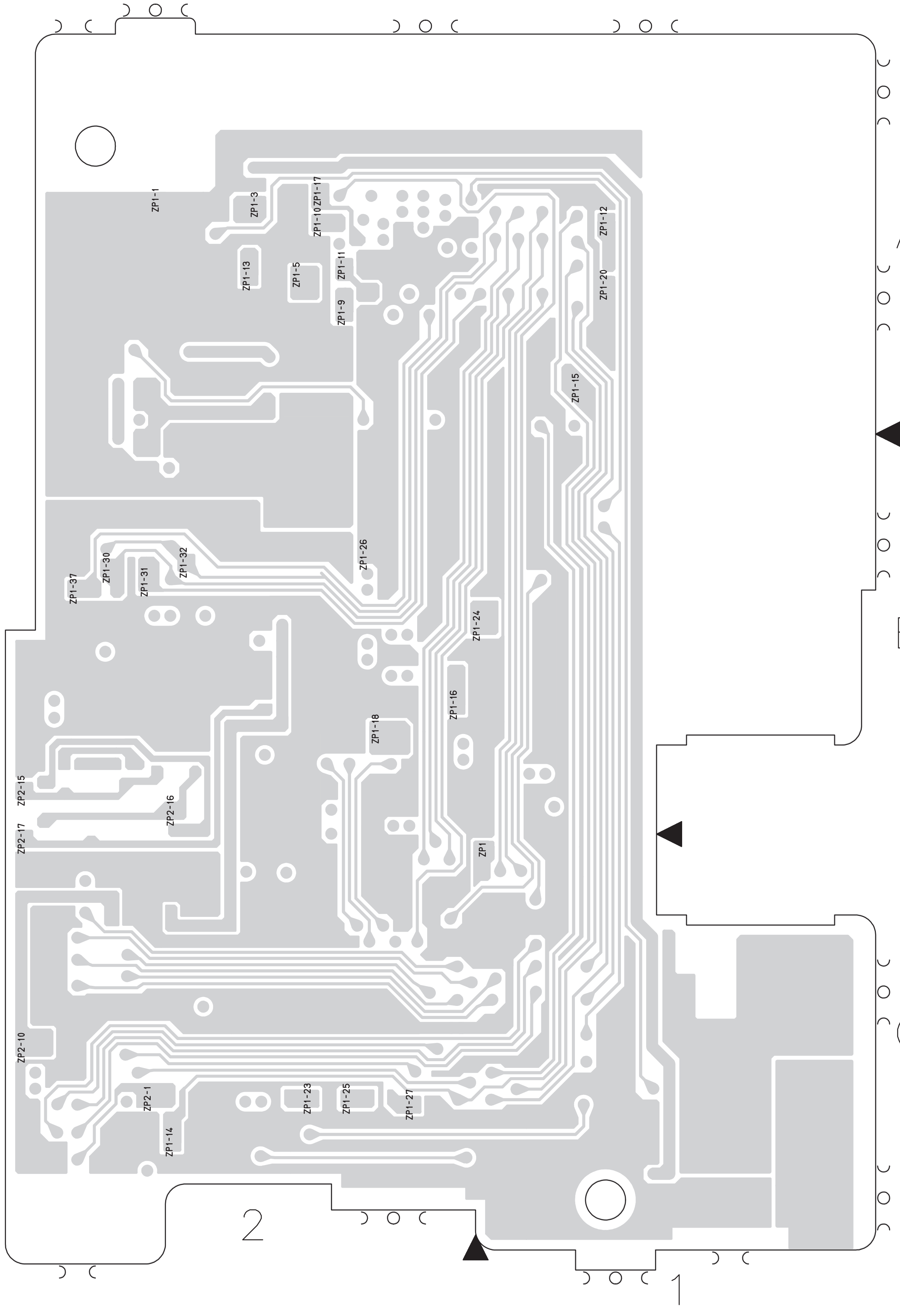
COMPONENT SIDE (A)


0 4 MONITOR PWB
YB10289-01-01
CAUTION
HIGHVOLTAGE
500mA 32V
F
A
B
C
1
2
T7502
T7501
CN7501
IC7501
IC7603
IC7604
IC7601
L7501
L7502
L7503
C7504
C7509
Q7502
JP7501
JP7502
JP7503
R7508
R7509

4.35 MONITOR CURCUIT BOARD

FOIL SIDE (B)

0 4 MONITOR PWB
YB10289-01-02


A
B
C
1
2
ZP1-1
ZP1-3
ZP1-10
ZP1-17
ZP1-12
ZP1-13
ZP1-5
ZP1-11
ZP1-9
ZP1-20
ZP1-15
ZP1-26
ZP1-37
ZP1-30
ZP1-31
ZP1-32
ZP1-24
ZP1-16
ZP1-18
ZP2-15
ZP2-17
ZP2-16
ZP1
ZP2-10
ZP2-1
ZP1-14
ZP1-23
ZP1-25
ZP1-27

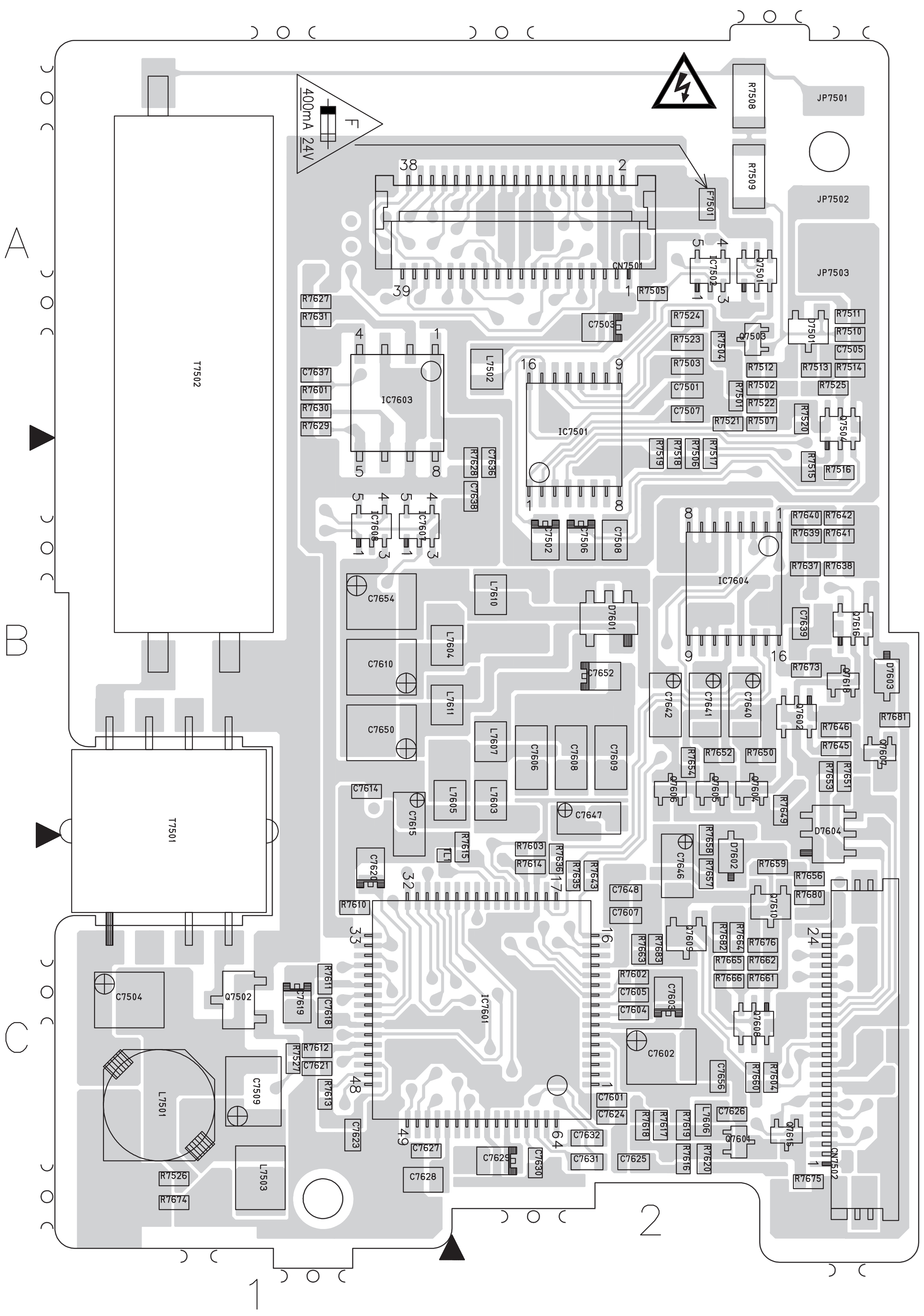
(FOR DVX8EK/DVX10EK)

COMPONENT PARTS LOCATION GUIDE (MONITOR)

REF.No.	LOCATION		
CAPACITOR			
C7501	A	C	2A
C7502	A	C	2B
C7503	A	C	2A
C7504	A	C	1C
C7505	A	C	2A
C7506	A	C	2B
C7507	A	C	2A
C7508	A	C	2B
C7509	A	C	1C
C7601	A	C	2C
C7602	A	C	2C
C7603	A	C	2C
C7604	A	C	2C
C7605	A	C	2C
C7606	A	C	2B
C7607	A	C	2C
C7608	A	C	2B
C7609	A	C	2B
C7610	A	C	1B
C7614	A	C	1B
C7615	A	C	1C
C7618	A	C	1C
C7619	A	C	1C
C7620	A	C	1C
C7621	A	C	1C
C7623	A	C	1C
C7624	A	C	2C
C7625	A	C	2C
C7626	A	C	2C
C7627	A	C	1C
C7628	A	C	1C
C7629	A	C	2C
C7630	A	C	2C
C7631	A	C	2C
C7632	A	C	2C
C7636	A	C	2B
C7637	A	C	1A
C7638	A	C	2B
C7639	A	C	2B
C7640	A	C	2B
C7641	A	C	2B
C7642	A	C	2B
C7646	A	C	2C
C7647	A	C	2B
C7648	A	C	2C
C7650	A	C	1B
C7652	A	C	2B
C7654	A	C	1B
C7656	A	C	2C
CONNECTOR			
CN7501	A	C	2A
CN7502	A	C	2C
DIODE			
D7501	A	C	2A
D7601	A	C	2B
D7602	A	C	2C
D7603	A	C	2B
D7604	A	C	2C
FUSE			
F7501	A	C	2A
IC			
IC7501	A	C	2B
IC7502	A	C	2A
IC7601	A	C	2C
IC7603	A	C	1A
IC7604	A	C	2B
IC7607	A	C	1B
IC7608	A	C	1B
COIL			
L7501	A	C	1C
L7502	A	C	2A
L7503	A	C	1C
L7603	A	C	2B
L7604	A	C	1B
L7605	A	C	1B
L7606	A	C	2C
L7607	A	C	2B
L7610	A	C	2B
L7611	A	C	1B
TRANSISTOR			
Q7501	A	C	2A
Q7502	A	C	1C
Q7503	A	C	2A
Q7504	A	C	2B
Q7601	A	C	2C
Q7602	A	C	2B
Q7604	A	C	2B
Q7605	A	C	2B
Q7606	A	C	2B
Q7607	A	C	2B
Q7608	A	C	2C
Q7609	A	C	2C
Q7610	A	C	2C
Q7615	A	C	2C
Q7616	A	C	2B
Q7618	A	C	2B
RESISTOR			
R7501	A	C	2A
R7502	A	C	2A
R7503	A	C	2A
R7504	A	C	2A
R7505	A	C	2A
R7506	A	C	2B
R7507	A	C	2A
R7508	A	C	2A
R7509	A	C	2A
R7510	A	C	2A
R7511	A	C	2A
R7512	A	C	2A
R7513	A	C	2A
R7514	A	C	2A
R7515	A	C	2B
R7516	A	C	2B
R7517	A	C	2B
R7518	A	C	2B
R7519	A	C	2B
R7520	A	C	2A
R7521	A	C	2A
R7522	A	C	2A
R7523	A	C	2A
R7524	A	C	2A
R7525	A	C	2A
R7526	A	C	1C
R7527	A	C	1C
R7601	A	C	1A
R7602	A	C	2C
R7603	A	C	2C
R7604	A	C	2C
R7610	A	C	1C
R7611	A	C	1C
R7612	A	C	1C
R7613	A	C	1C
R7614	A	C	2C
R7615	A	C	2C
R7616	A	C	2C
R7617	A	C	2C
R7618	A	C	2C
R7619	A	C	2C
R7620	A	C	2C
R7627	A	C	1A
R7628	A	C	2B
R7629	A	C	1B
R7630	A	C	1A
R7631	A	C	1A
R7635	A	C	2C
R7636	A	C	2C
R7637	A	C	2B
R7638	A	C	2B
R7639	A	C	2B
R7640	A	C	2B
R7641	A	C	2B
R7642	A	C	2B
R7643	A	C	2C
R7645	A	C	2B
R7646	A	C	2B
R7649	A	C	2B
R7650	A	C	2B
R7651	A	C	2B
R7652	A	C	2B
R7653	A	C	2B
R7654	A	C	2B
R7656	A	C	2C
R7657	A	C	2C
R7658	A	C	2C
R7659	A	C	2C
R7660	A	C	2C
R7661	A	C	2C
R7662	A	C	2C
R7663	A	C	2C
R7664	A	C	2C
R7665	A	C	2C
R7666	A	C	2C
R7673	A	C	2B
R7674	A	C	1C
R7675	A	C	2C
R7676	A	C	2C
R7680	A	C	2C
R7681	A	C	2B
R7682	A	C	2C
R7683	A	C	2C
OTHER			
JP7501	A	C	2A
JP7502	A	C	2A
JP7503	A	C	2A
T7501	A	C	1C
T7502	A	C	1A
TL1	A	C	1C
ZP1	B	C	1C
ZP1-1	B	C	2A
ZP1-3	B	C	2A
ZP1-5	B	C	2A
ZP1-9	B	C	2A
ZP2-1	B	C	2C
ZP1-10	B	C	2A
ZP1-11	B	C	2A
ZP1-12	B	C	1A
ZP1-13	B	C	2A
ZP1-14	B	C	2C
ZP1-15	B	C	1A
ZP1-16	B	C	2B
ZP1-17	B	C	2A
ZP1-18	B	C	2B
ZP1-20	B	C	1A
ZP1-23	B	C	2C
ZP1-24	B	C	1B
ZP1-25	B	C	2C
ZP1-26	B	C	2B
ZP1-27	B	C	2C
ZP1-30	B	C	2B
ZP1-31	B	C	2B
ZP1-32	B	C	2B
ZP1-37	B	C	2B
ZP2-10	B	C	2C
ZP2-15	B	C	2B
ZP2-16	B	C	2B
ZP2-17	B	C	2C

COMPONENT SIDE (A)

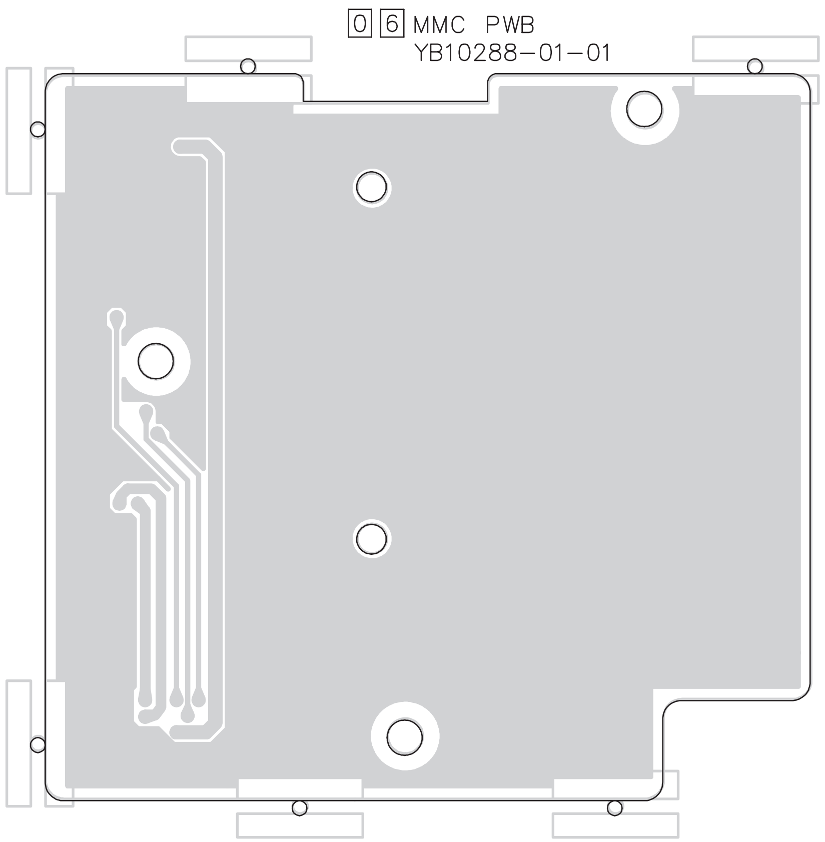
0 4 MONITOR PWB
YB10289-01-02


A
B
C
1
2
400mA 24V
F
F7501
R7508
R7509
JP7501
JP7502
JP7503
CN7501
38
2
39
1
T7502
T7501
IC7502
D7501
R7505
C7503
R7627
R7631
C7637
R7601
R7630
R7629
IC7603
L7502
IC7501
R7524
R7523
R7503
C7501
C7507
Q7503
D7502
R7511
R7510
C7505
R7512
R7513
R7514
R7502
R7525
R7522
R7521
R7507
R7520
Q7504
R7515
R7516
R7519
R7518
R7506
R7517
R7628
C7636
C7638
IC7608
IC7607
C7502
C7506
C7508
R7640
R7642
R7639
R7641
R7637
R7638
IC7604
C7654
L7610
D7601
L7604
C7639
Q7616
C7610
C7652
L7611
C7650
R7673
Q7618
D7603
C7642
C7641
C7640
Q7607
R7646
R7681
R7645
L7607
C7606
C7608
C7609
R7654
R7652
R7650
Q7608
R7653
R7651
C7614
L7605
L7603
C7615
C7647
Q7606
Q7605
Q7604
R7649
D7604
R7615
TL1
R7603
R7614
R7636
R7635
R7643
C7646
R7658
R7657
D7602
R7659
R7656
R7680
C7620
C7648
C7607
R7610
Q7610
R7683
Q7609
R7682
R7664
R7676
R7665
R7662
R7666
R7661
R7602
C7605
C7604
C7603
IC7601
C7504
Q7502
C7619
C7618
R7611
R7612
R7527
C7621
R7613
C7509
C7602
Q7601
C7656
R7660
R7604
L7501
C7623
C7601
C7624
R7618
R7617
R7619
R7616
R7620
L7606
C7626
Q7602
C7632
C7631
C7625
C7627
C7629
C7630
C7628
L7503
R7526
R7674
R7675
CN7502
Q7615

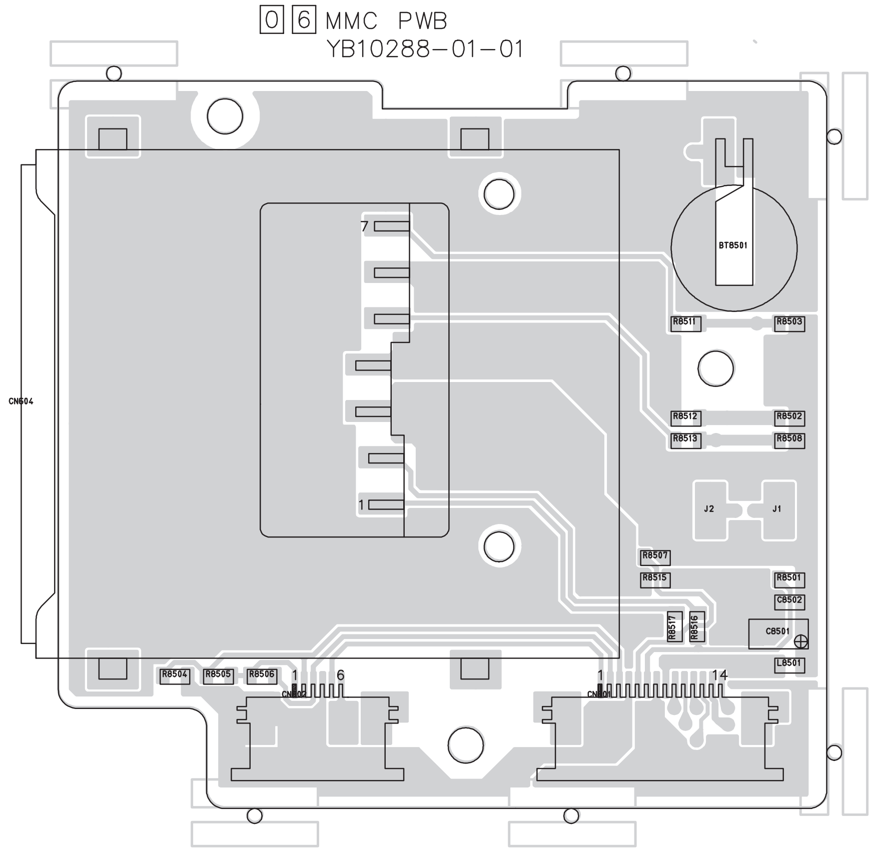
4.36 MMC AND STROBE CIRCUIT BOARDS

— MMC —

FOIL SIDE (B)

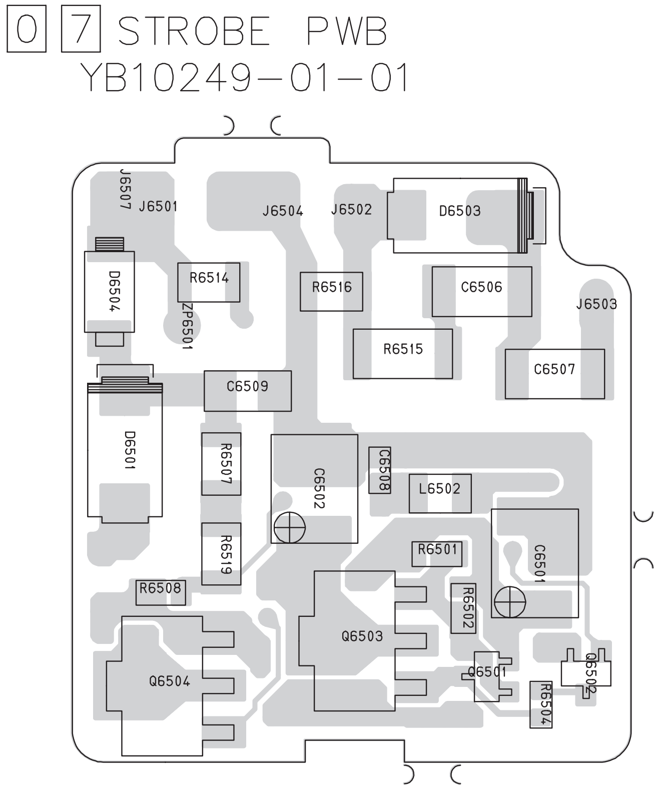

0 6 MMC PWB
YB10288-01-01

COMPONENT SIDE(A)

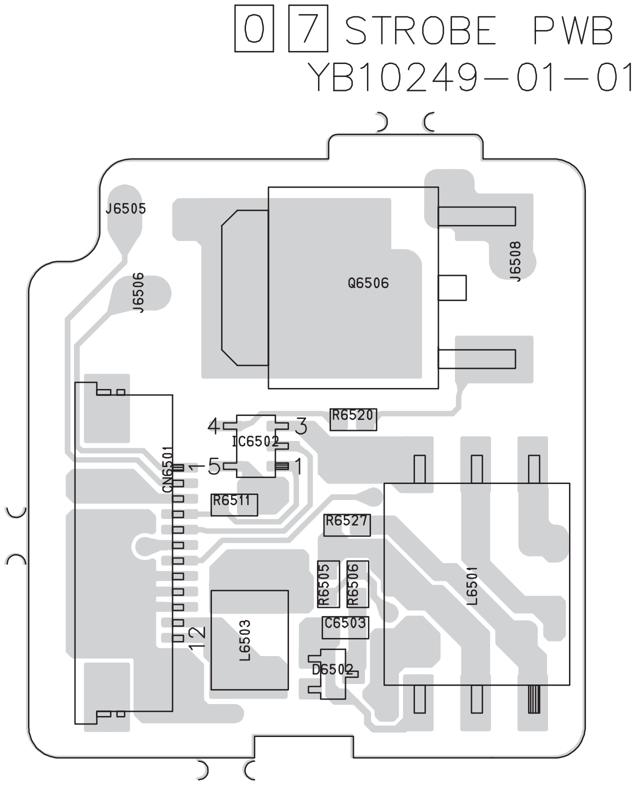

0 6 MMC PWB
YB10288-01-01
CN604
7
1
BT8501
R8511
R8503
R8512
R8502
R8513
R8508
J2
J1
R8507
R8515
R8501
C8502
R8517
R8516
C8501
L8501
R8504
R8505
R8506
1
6
CN8602
1
14
CN8601

— STOROBE —

FOIL SIDE (B)

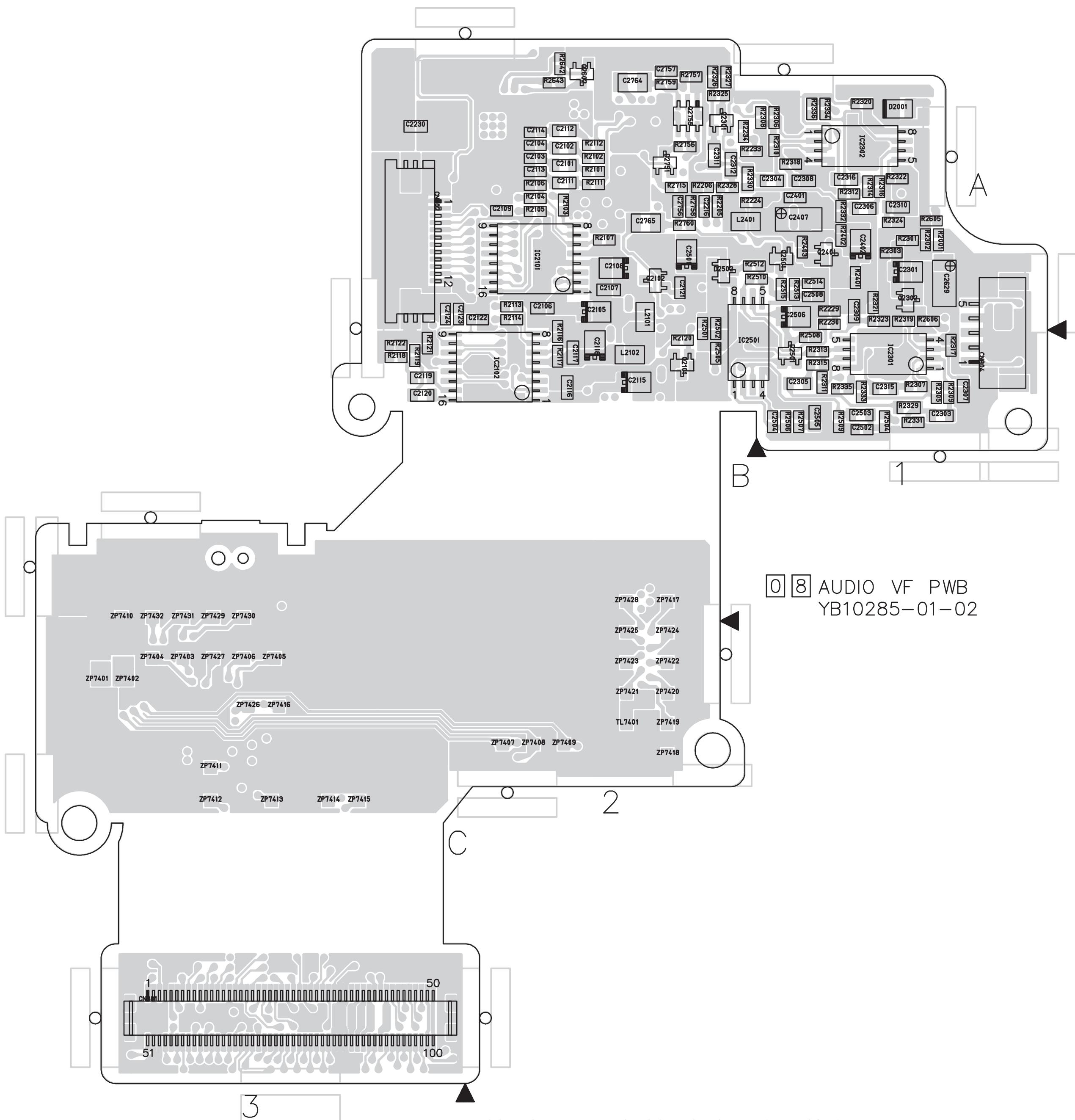

0 7 STROBE PWB
YB10249-01-01
J6507
J6501
J6504
J6502
D6503
D6504
R6514
ZP6501
R6516
C6506
J6503
R6515
C6507
C6509
D6501
R6507
C6502
C6508
L6502
R6519
R6501
C6501
R6508
R6502
Q6503
Q6504
Q6501
Q6502
R6504

COMPONENT SIDE (A)

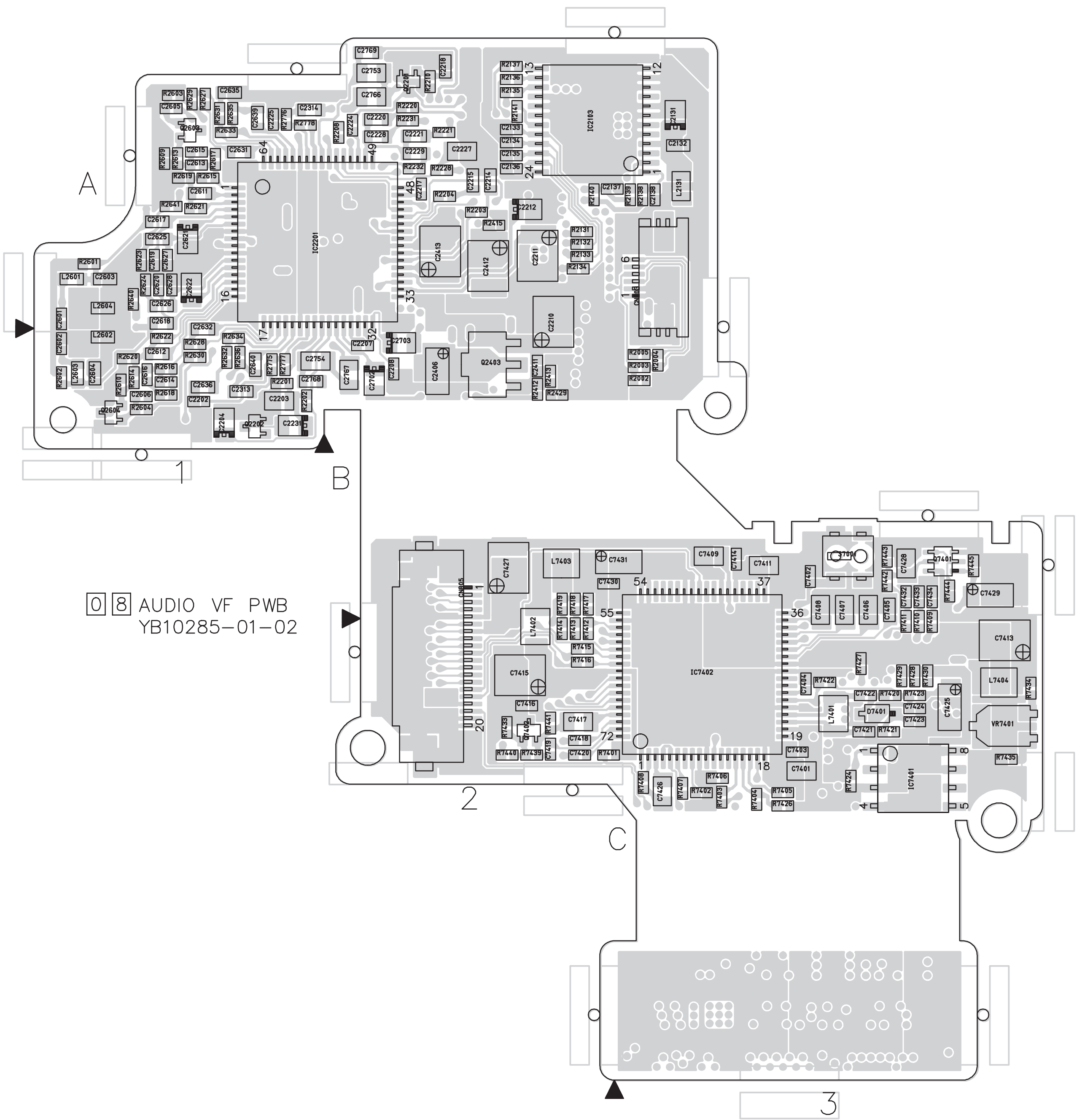

0 7 STROBE PWB
YB10249-01-01
J6505
J6506
Q6506
J6508
4
3
IC6502
5
1
R6520
CN6501
R6511
R6527
R6505
R6506
L6501
C6503
12
L6503
D6502

4.37 AUDIO VF CIRCUIT BOARD

FOIL SIDE (B)



COMPONENT SIDE (A)



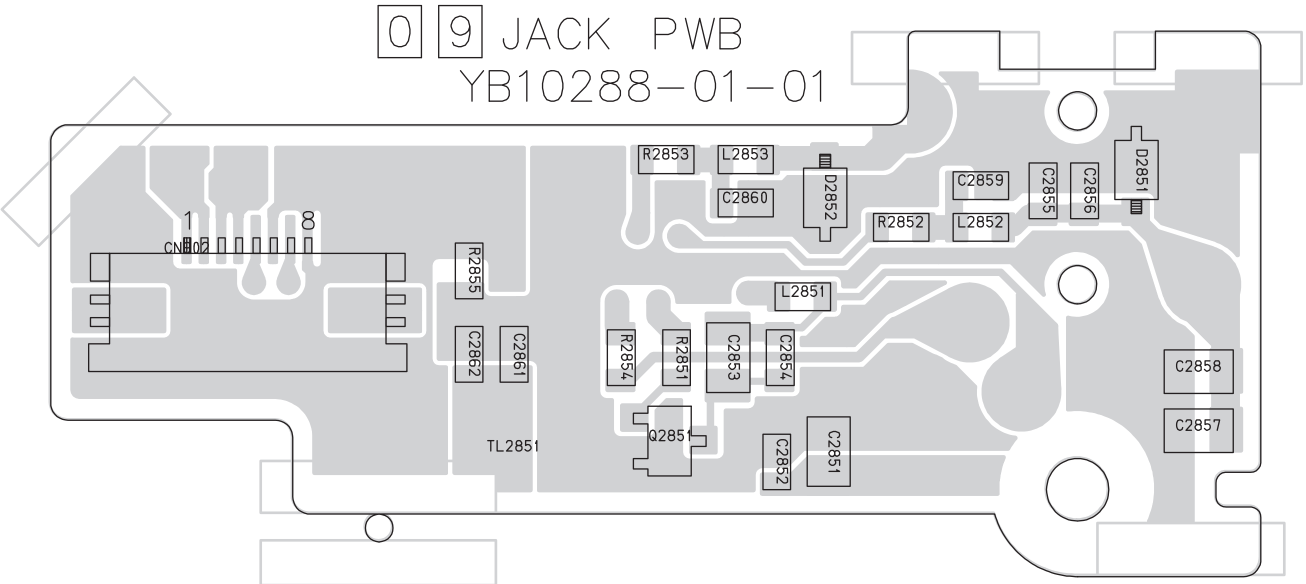
COMPONENT PARTS LOCATION GUIDE (AUDIO/VF)

REF.No.	LOCATION		
CAPACITOR			
C2101	B	C	2A
C2102	B	C	2A
C2103	B	C	2A
C2104	B	C	2A
C2105	B	C	2A
C2106	B	C	2A
C2107	B	C	2A
C2108	B	C	2A
C2109	B	C	2A
C2111	B	C	2A
C2112	B	C	2A
C2113	B	C	2A
C2114	B	C	2A
C2115	B	C	2B
C2116	B	C	2B
C2117	B	C	2B
C2118	B	C	2B
C2119	B	C	3B
C2120	B	C	3B
C2121	B	C	2A
C2122	B	C	2A
C2123	B	C	3A
C2124	B	C	3A
C2131	A	C	3A
C2132	A	C	3A
C2133	A	C	2A
C2134	A	C	2A
C2135	A	C	2A
C2136	A	C	2A
C2137	A	C	3A
C2138	A	C	3A
C2202	A	C	1B
C2203	A	C	1B
C2204	A	C	1B
C2207	A	C	2B
C2208	A	C	2B
C2210	A	C	2A
C2211	A	C	2A
C2212	A	C	2A
C2214	A	C	2A
C2215	A	C	2A
C2216	B	C	2A
C2217	A	C	2A
C2218	A	C	2A
C2220	A	C	2A
C2221	A	C	2A
C2224	A	C	2A
C2225	A	C	1A
C2227	A	C	2A
C2228	A	C	2A
C2229	A	C	2A
C2230	B	C	3A
C2231	A	C	1B
C2301	B	C	1A
C2303	B	C	1B
C2304	B	C	1A
C2305	B	C	1B
C2306	B	C	1A
C2307	B	C	1B
C2308	B	C	1A
C2309	B	C	1A
C2310	B	C	1A
C2311	B	C	2A
C2312	B	C	2A
C2313	A	C	1B
C2314	A	C	1A
C2315	B	C	1B
C2316	B	C	1A
C2401	B	C	1A
C2402	B	C	1A
C2406	A	C	2B
C2407	B	C	1A
C2411	A	C	2B
C2412	A	C	2A
C2413	A	C	2A
C2501	B	C	2A
C2502	B	C	1B
C2503	B	C	1B
C2504	B	C	1B
C2505	B	C	1B
C2506	B	C	1A
C2508	B	C	1A
C2601	A	C	1A
C2602	A	C	1B
C2603	A	C	1A
C2604	A	C	1B
C2605	A	C	1A
C2606	A	C	1B
C2611	A	C	1A
C2612	A	C	1B
C2613	A	C	1A
C2614	A	C	1B
C2615	A	C	1A
C2616	A	C	1B
C2617	A	C	1A
C2618	A	C	1A
C2619	A	C	1A
C2620	A	C	1A
C2621	A	C	1A
C2622	A	C	1A
C2625	A	C	1A
C2626	A	C	1A
C2627	A	C	1A
C2628	A	C	1A
C2629	B	C	1A
C2631	A	C	1A
C2632	A	C	1B
C2635	A	C	1A
C2636	A	C	1B
C2639	A	C	1A
C2640	A	C	1B
C2702	A	C	2B
C2703	A	C	2B
C2753	A	C	2A
C2754	A	C	2B
C2756	B	C	2A
C2757	B	C	2A
C2764	B	C	2A
C2765	B	C	2A
C2766	A	C	2A
C2767	A	C	2B
C2768	A	C	1B
C2769	A	C	2A
C7401	A	C	3C
C7402	A	C	3B
C7403	A	C	3C
C7404	A	C	3C
C7405	A	C	3B
C7406	A	C	3B
C7407	A	C	3B
C7408	A	C	3B
C7409	A	C	3B
C7411	A	C	3B
C7413	A	C	3C
C7414	A	C	3B
C7415	A	C	2C
C7416	A	C	2C
C7417	A	C	2C
C7418	A	C	2C
C7419	A	C	2C
C7420	A	C	2C
C7421	A	C	3C
C7422	A	C	3C
C7423	A	C	3C
C7424	A	C	3C
C7425	A	C	3C
C7426	A	C	3C
C7427	A	C	2B
C7428	A	C	3B
C7429	A	C	3B
C7430	A	C	3B
C7431	A	C	3B
C7432	A	C	3B
C7433	A	C	3B
C7434	A	C	3B
CONNECTOR			
CN801	B	C	3C
CN802	B	C	3A
CN803	A	C	3A
CN804	B	C	1B
CN805	A	C	2B
DIODE			
D2001	B	C	1A
D2501	B	C	1B
D2502	B	C	2A
D2751	B	C	2A
D7401	A	C	3C
IC			
IC2101	B	C	2A
IC2102	B	C	2B
IC2103	A	C	2A
IC2201	A	C	2A
IC2301	B	C	1B
IC2302	B	C	1A
IC2501	B	C	2B
IC7401	A	C	3C
IC7402	A	C	3C
COIL			
L2101	B	C	2A
L2102	B	C	2B
L2131	A	C	3A
L2401	B	C	2A
L2601	A	C	1A
L2602	A	C	1B
L2603	A	C	1B
L2604	A	C	1A
L7401	A	C	3C
L7402	A	C	2C
L7403	A	C	2B
L7404	A	C	3C
TRANSISTOR			
Q2101	B	C	2B
Q2102	B	C	2A
Q2201	A	C	2A
Q2202	A	C	1B
Q2301	B	C	2A
Q2302	B	C	1A
Q2401	B	C	1A
Q2403	A	C	2B
Q2501	B	C	1A
Q2602	B	C	2A
Q2603	A	C	1A
Q2604	A	C	1B
Q2755	B	C	2A
Q7401	A	C	3B
Q7402	A	C	2C
RESISTOR			
R2001	B	C	1A
R2002	A	C	3B
R2003	A	C	3B
R2004	A	C	3B
R2005	A	C	3B
R2101	B	C	2A
R2102	B	C	2A
R2103	B	C	2A
R2104	B	C	2A
R2105	B	C	2A
R2106	B	C	2A
R2107	B	C	2A
R2111	B	C	2A
R2112	B	C	2A
R2113	B	C	2A
R2114	B	C	2A
R2116	B	C	2B
R2117	B	C	2B
R2118	B	C	3B
R2119	B	C	3B
R2120	B	C	2B
R2121	B	C	3B
R2122	B	C	3B
R2131	A	C	2A
R2132	A	C	2A
R2133	A	C	2A
R2134	A	C	2A
R2135	A	C	2A
R2136	A	C	2A
R2137	A	C	2A
R2138	A	C	3A
R2139	A	C	3A
R2140	A	C	2A
R2141	A	C	2A
R2201	A	C	1B
R2202	A	C	1B
R2203	A	C	2A
R2204	A	C	2A
R2205	B	C	2A
R2206	B	C	2A
R2208	A	C	2A
R2210	A	C	2A
R2220	A	C	2A
R2221	A	C	2A
R2224	B	C	2A
R2228	A	C	2A
R2229	B	C	1A
R2230	B	C	1A
R2231	A	C	2A
R2232	A	C	2A
R2233	B	C	2A
R2234	B	C	2A
R2301	B	C	1A
R2302	B	C	1A
R2303	B	C	1A
R2305	B	C	1B
R2306	B	C	1A
R2307	B	C	1B
R2308	B	C	2A
R2309	B	C	1B
R2310	B	C	1A
R2311	B	C	1B
R2312	B	C	1A
R2313	B	C	1B
R2314	B	C	1A
R2315	B	C	1B
R2316	B	C	1A
R2317	B	C	1B
R2318	B	C	1A
R2319	B	C	1A
R2320	B	C	1A
R2321	B	C	1A
R2322	B	C	1A
R2323	B	C	1A
R2324	B	C	1A
R2325	B	C	2A
R2326	B	C	2A
R2327	B	C	2A
R2328	B	C	2A
R2329	B	C	1B
R2330	B	C	2A
R2331	B	C	1B
R2332	B	C	1A
R2333	B	C	1B
R2334	B	C	1A
R2335	B	C	1B
R2336	B	C	1A
R2401	B	C	1A
R2402	B	C	1A
R2403	B	C	1A
R2412	A	C	2B
R2413	A	C	2B
R2415	A	C	2A
R2429	A	C	2B
R2501	B	C	2A
R2502	B	C	2A
R2504	B	C	1B
R2505	B	C	2B
R2506	B	C	1B
R2507	B	C	1B
R2508	B	C	1B
R2509	B	C	1B
R2510	B	C	2A
R2512	B	C	2A
R2513	B	C	1A
R2514	B	C	1A
R2515	B	C	1A
R2601	A	C	1A
R2602	A	C	1B
R2603	A	C	1A
R2604	A	C	1B
R2605	B	C	1A
R2606	B	C	1A
R2609	A	C	1A
R2610	A	C	1B
R2613	A	C	1A
R2614	A	C	1B
R2615	A	C	1A
R2616	A	C	1B
R2617	A	C	1A
R2618	A	C	1B
R2619	A	C	1A
R2620	A	C	1B
R2621	A	C	1A
R2622	A	C	1B
R2623	A	C	1A
R2624	A	C	1A
R2627	A	C	1A
R2628	A	C	1B
R2629	A	C	1A
R2630	A	C	1B
R2631	A	C	1A
R2632	A	C	1B
R2633	A	C	1A
R2634	A	C	1B
R2635	A	C	1A
R2636	A	C	1B
R2640	A	C	1A
R2641	A	C	1A
R2642	B	C	2A
R2643	B	C	2A
R2715	B	C	2A
R2756	B	C	2A
R2757	B	C	2A
R2758	B	C	2A
R2759	B	C	2A
R2760	B	C	2A
R2775	A	C	1B
R2776	A	C	1A
R2777	A	C	1B
R2778	A	C	1A
R7401	A	C	3C
R7402	A	C	3C
R7403	A	C	3C
R7404	A	C	3C
R7405	A	C	3C
R7406	A	C	3C
R7407	A	C	3C
R7408	A	C	3C
R7409	A	C	3C
R7410	A	C	3C
R7411	A	C	3C
R7412	A	C	2C
R7413	A	C	2C
R7414	A	C	2C
R7415	A	C	2C
R7416	A	C	2C
R7417	A	C	2B
R7418	A	C	2B
R7419	A	C	2B
R7420	A	C	3C
R7421	A	C	3C
R7422	A	C	3C
R7423	A	C	3C
R7424	A	C	3C
R7426	A	C	3C
R7427	A	C	3C
R7428	A	C	3C
R7429	A	C	3C
R7430	A	C	3C
R7433	A	C	2C
R7434	A	C	3C
R7435	A	C	3C
R7439	A	C	2C
R7440	A	C	2C
R7441	A	C	2C
R7442	A	C	3B
R7443	A	C	3B
R7444	A	C	3B
R7445	A	C	3B
VR7401	A	C	3C
OTHER			
JP51	B	C	3A
JP52	B	C	3A
JP53	B	C	3A
S7001	A	C	3B
TL7401	B	C	2C
ZP7401	B	C	3C
ZP7402	B	C	3C
ZP7403	B	C	3C
ZP7404	B	C	3C
ZP7405	B	C	3C
ZP7406	B	C	3C
ZP7407	B	C	2C
ZP7408	B	C	2C
ZP7409	B	C	2C
ZP7410	B	C	3B
ZP7411	B	C	3C
ZP7412	B	C	3C
ZP7413	B	C	3C
ZP7414	B	C	3C
ZP7415	B	C	3C
ZP7416	B	C	3C
ZP7417	B	C	2B
ZP7418	B	C	2C
ZP7419	B	C	2C
ZP7420	B	C	2C
ZP7421	B	C	2C
ZP7422	B	C	2C
ZP7423	B	C	2C
ZP7424	B	C	2C
ZP7425	B	C	2C
ZP7426	B	C	3C
ZP7427	B	C	3C
ZP7428	B	C	2B
ZP7429	B	C	3B
ZP7430	B	C	3B
ZP7431	B	C	3B
ZP7432	B	C	3B

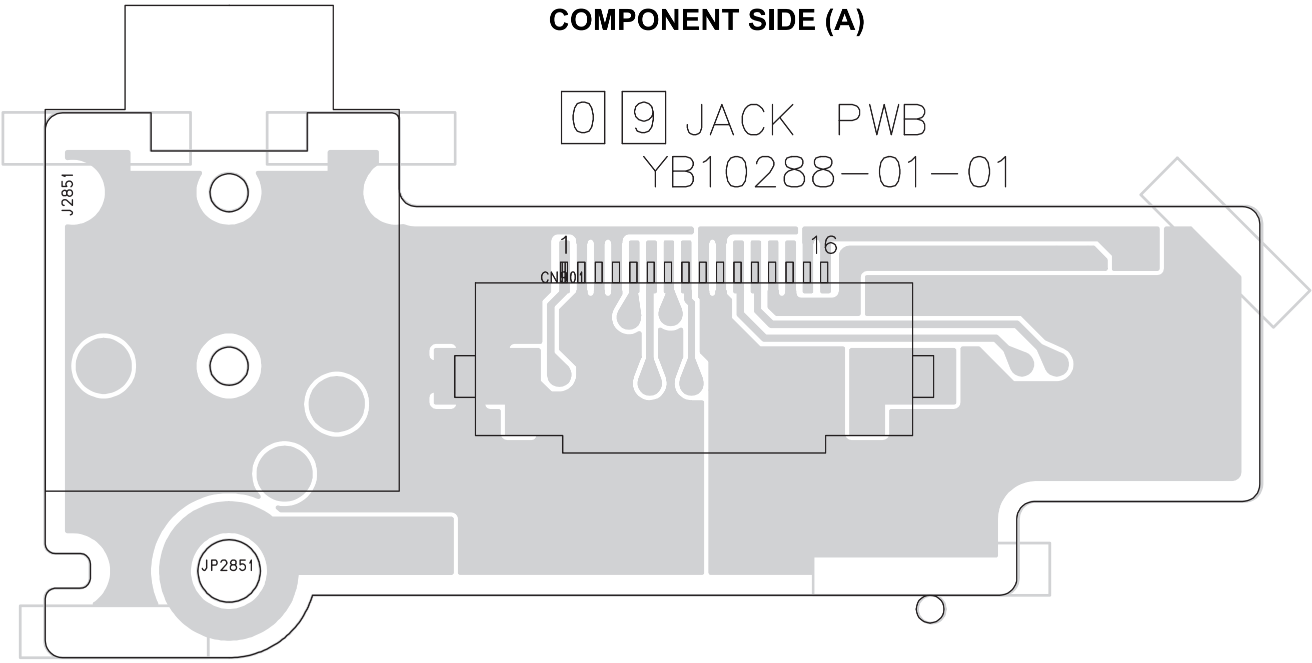
4.38 JACK, W/B AND EJECT CIRCUIT BOARDS

— JACK —

FOIL SIDE (B)


0 9 JACK PWB
YB10288-01-01
CN802
1
8
R2853
L2853
C2860
D2852
R2852
L2852
C2859
C2855
C2856
D2851
R2855
C2862
C2861
R2854
R2851
C2853
C2854
L2851
Q2851
TL2851
C2852
C2851
C2858
C2857

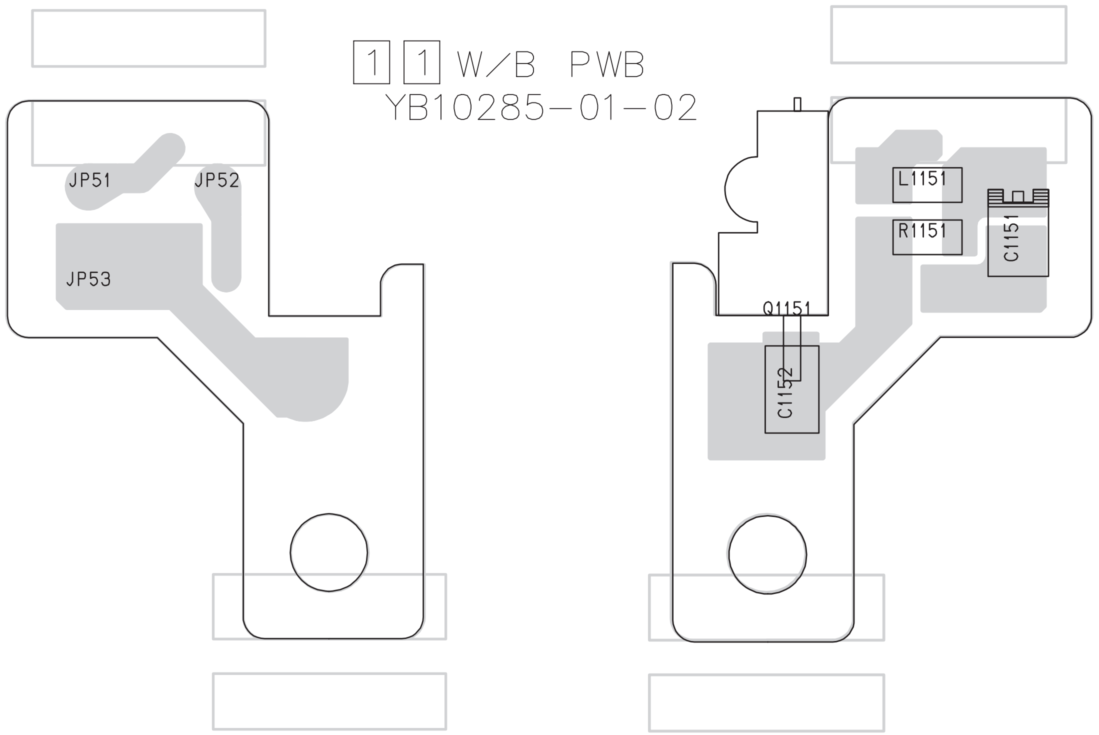
COMPONENT SIDE (A)


0 9 JACK PWB
YB10288-01-01
J2851
CN801
1
16
JP2851

— W/B —

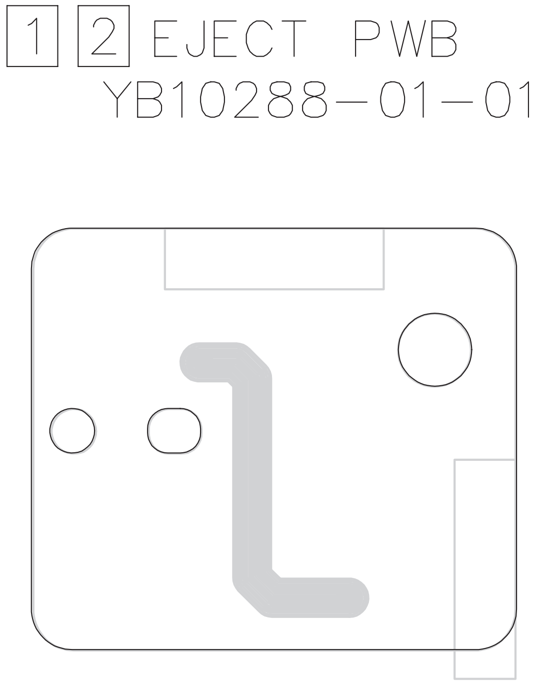
FOIL SIDE (B)

COMPONENT SIDE (A)

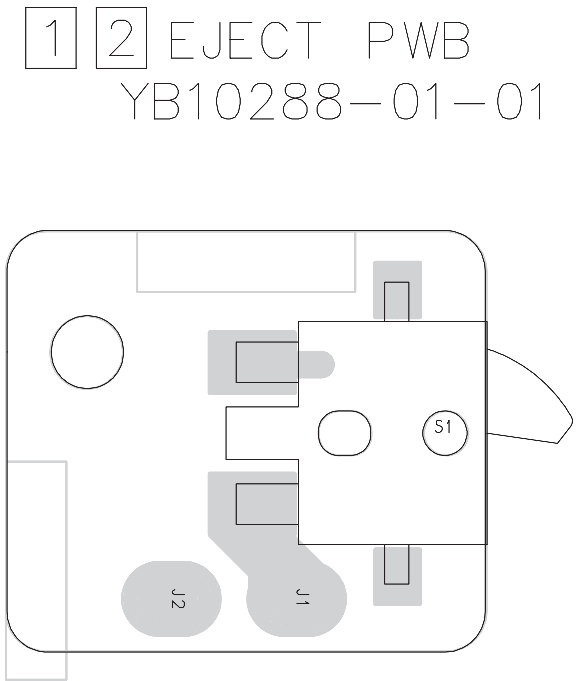

1 1 W/B PWB
YB10285-01-02
JP51
JP52
JP53
L1151
R1151
C1151
Q1151
C1152

— EJECT —

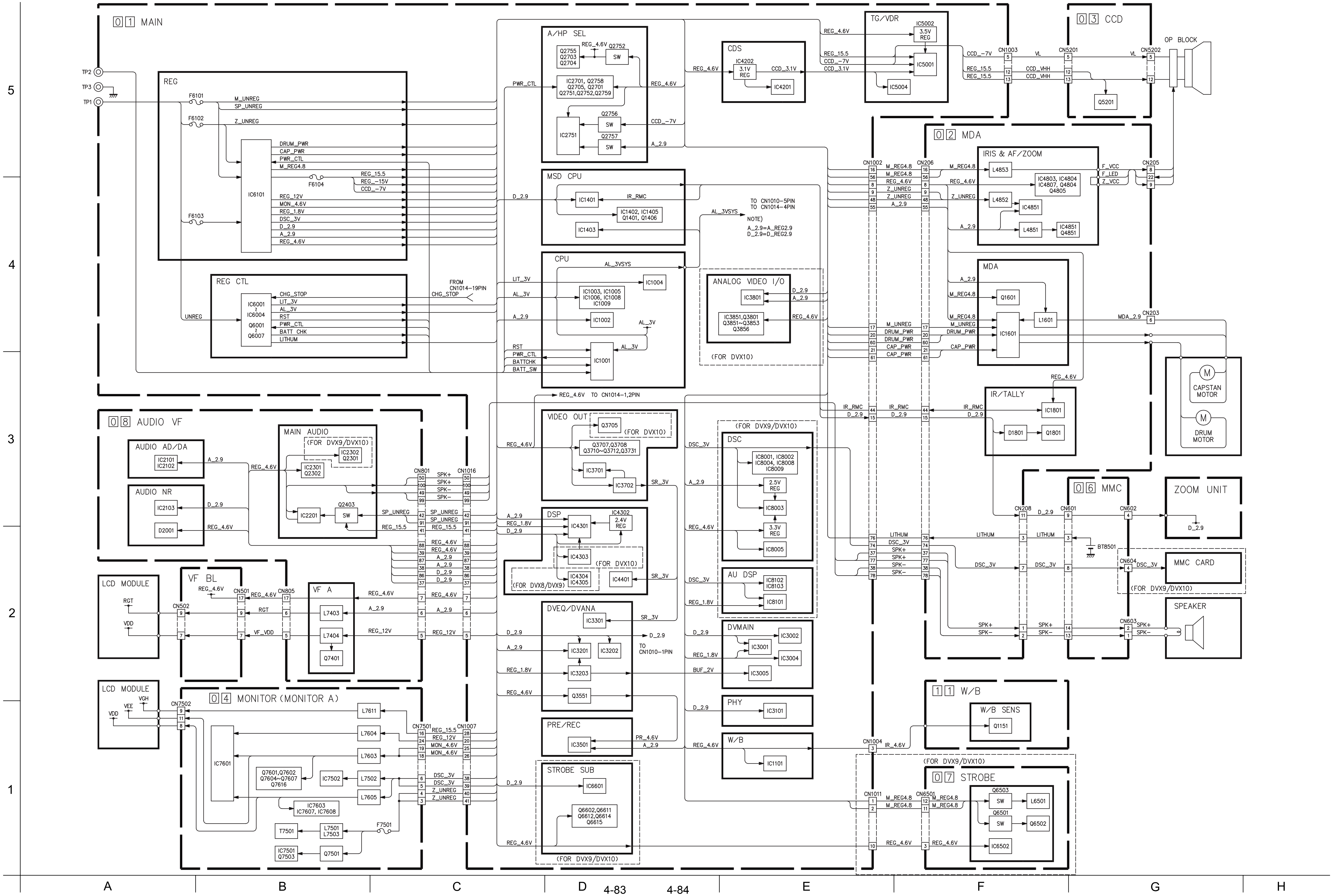
FOIL SIDE (B)


1 2 EJECT PWB
YB10288-01-01

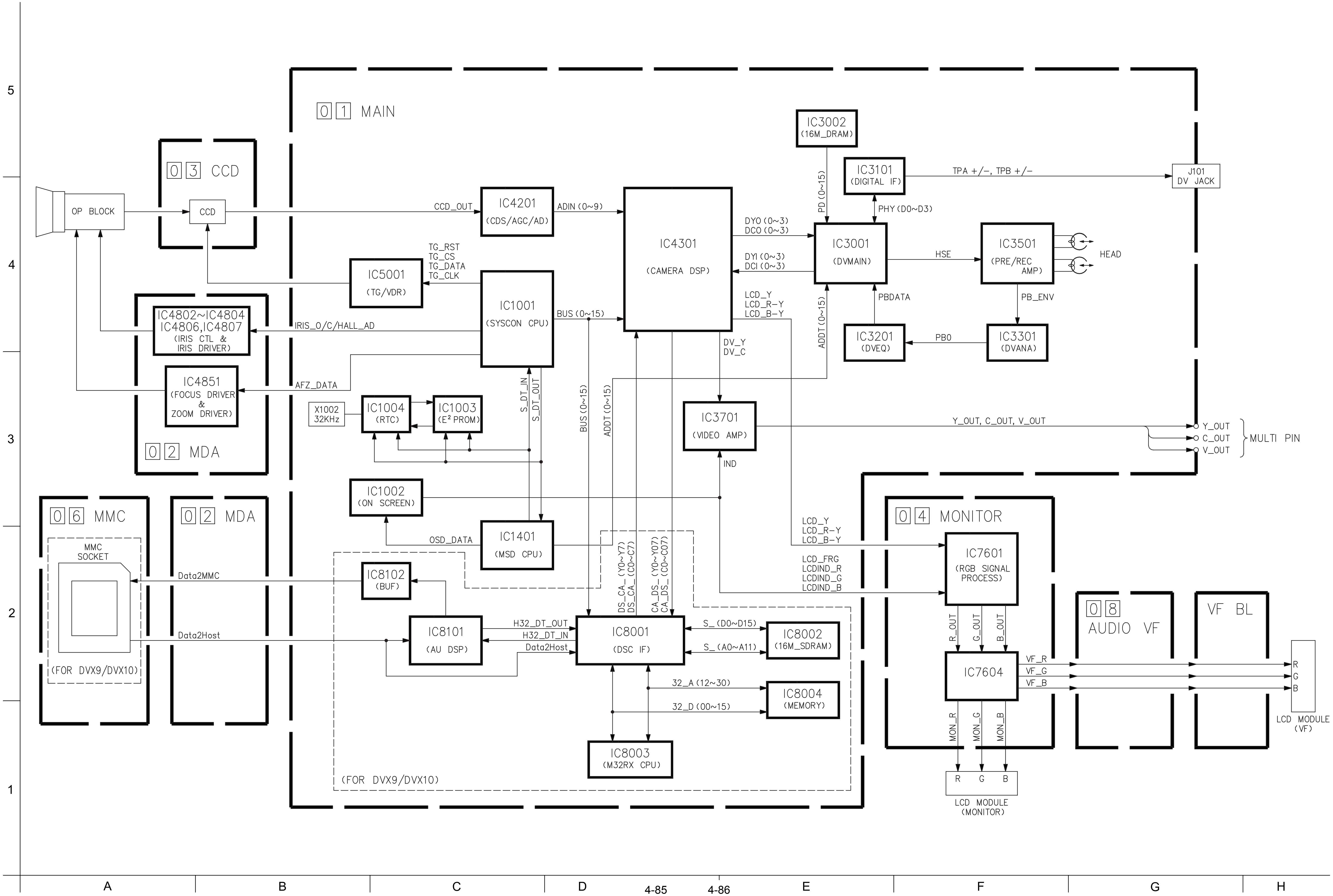
COMPONENT SIDE (A)


1 2 EJECT PWB
YB10288-01-01
S1
J2
J1

4.39 POWER SYSTEM BLOCK DIAGRAM

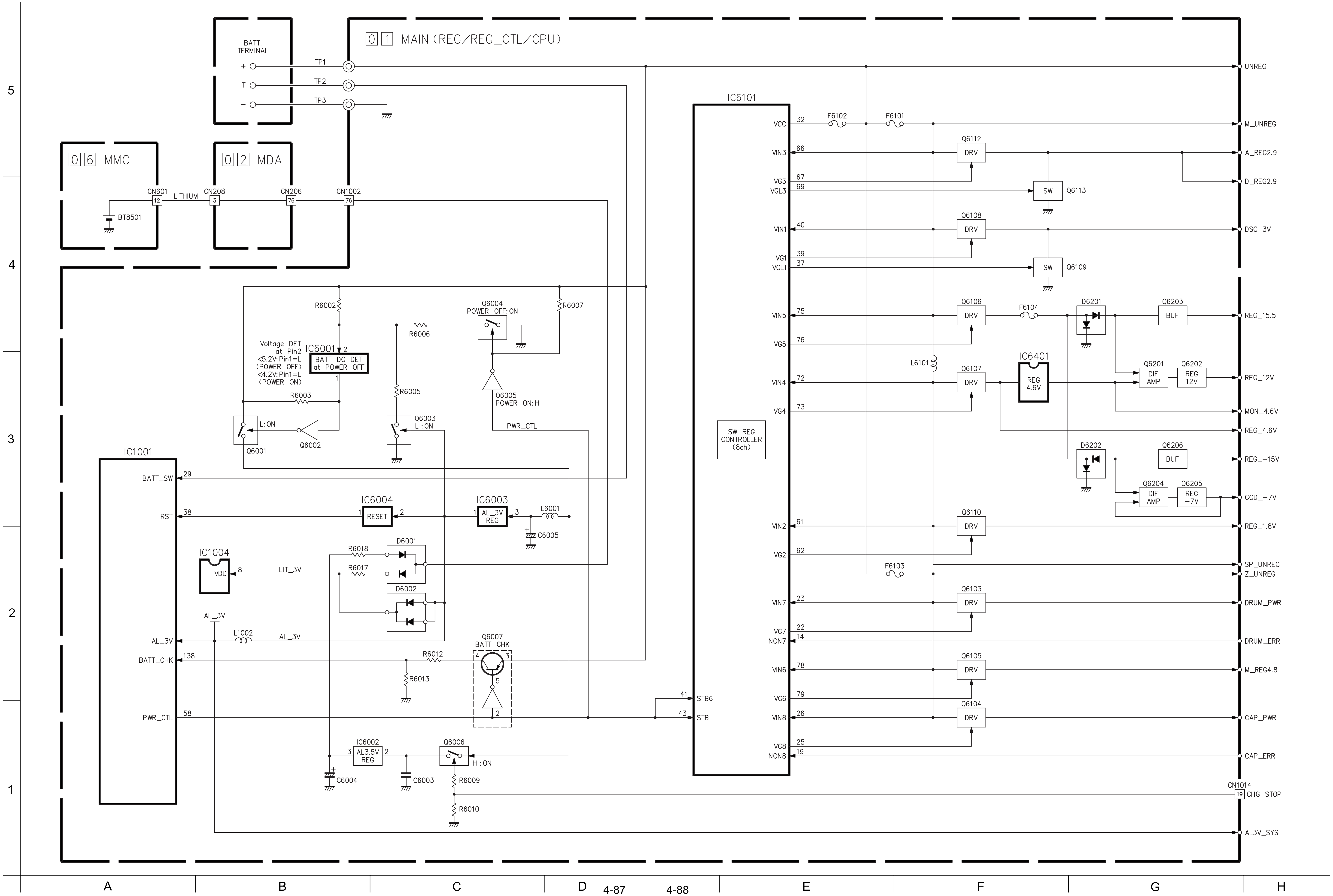

01 MAIN
REG
F6101
F6102
F6103
F6104
IC6101
M_UNREG
SP_UNREG
Z_UNREG
DRUM_PWR
CAP_PWR
PWR_CTL
M_REG4.8
REG_15.5
REG_-15V
CCD_-7V
REG_12V
MON_4.6V
REG_1.8V
DSC_3V
D_2.9
A_2.9
REG_4.6V
TP1
TP2
TP3
REG CTL
IC6001 ~ IC6004
Q6001 ~ Q6007
UNREG
CHG_STOP
LIT_3V
AL_3V
RST
BATT CHK
LITHIUM
FROM CN1014-19PIN
A/HP SEL
Q2755, Q2703, Q2704
Q2752
SW
IC2701, Q2758, Q2705, Q2701, Q2751, Q2752, Q2759
IC2751
Q2756
Q2757
PWR_CTL
CDS
IC4202
3.1V REG
IC4201
CCD_3.1V
TG/VDR
IC5002
3.5V REG
IC5001
IC5004
MSD CPU
IC1401
IC1402, IC1405, Q1401, Q1406
IC1403
IR_RMC
AL_3VSYS
TO CN1010-5PIN
TO CN1014-4PIN
NOTE)
A_2.9=A_REG2.9
D_2.9=D_REG2.9
CPU
IC1004
IC1003, IC1005, IC1006, IC1008, IC1009
IC1002
IC1001
BATTCHK
BATT_SW
ANALOG VIDEO I/O
IC3801
IC3851, Q3801, Q3851~Q3853, Q3856
(FOR DVX10)
REG_4.6V TO CN1014-1,2PIN
03 CCD
CN1003
CN5201
CN5202
VL
CCD_VHH
Q5201
OP BLOCK
02 MDA
CN1002
CN206
CN205
IRIS & AF/ZOOM
L4853
IC4803, IC4804, IC4807, Q4804, Q4805
L4852
IC4851
L4851
IC4851, Q4851
F_VCC
F_LED
Z_VCC
Z_UNREG
MDA
Q1601
L1601
IC1601
MDA_2.9
CN203
M_UNREG
IR/TALLY
IC1801
D1801
Q1801
CAPSTAN MOTOR
DRUM MOTOR
08 AUDIO VF
AUDIO AD/DA
IC2101, IC2102
AUDIO NR
IC2103
D2001
MAIN AUDIO
(FOR DVX9/DVX10)
IC2302, Q2301
IC2301, Q2302
IC2201
Q2403
CN801
CN1016
SPK+
SPK-
VIDEO OUT
Q3705
Q3707, Q3708, Q3710~Q3712, Q3731
IC3701
IC3702
SR_3V
DSP
IC4301
IC4302
2.4V REG
IC4303
IC4304, IC4305
IC4401
(FOR DVX8/DVX9)
DSC
IC8001, IC8002, IC8004, IC8008, IC8009
2.5V REG
IC8003
3.3V REG
IC8005
AU DSP
IC8102, IC8103
IC8101
DVEQ/DVANA
IC3301
IC3201
IC3202
IC3203
Q3551
TO CN1010-1PIN
DVMAIN
IC3002
IC3001
IC3004
IC3005
BUF_2V
PHY
IC3101
PRE/REC
IC3501
PR_4.6V
W/B
IC1101
STROBE SUB
IC6601
Q6602, Q6611, Q6612, Q6614, Q6615
06 MMC
CN208
CN601
CN602
ZOOM UNIT
BT8501
CN604
MMC CARD
SPEAKER
CN603
11 W/B
W/B SENS
Q1151
CN1004
IR_4.6V
07 STROBE
CN1011
CN6501
Q6503
L6501
Q6501
Q6502
IC6502
LCD MODULE
RGT
VDD
VEE
VGH
VF BL
CN502
CN501
CN805
VF A
L7403
L7404
Q7401
VF_VDD
04 MONITOR (MONITOR A)
CN7502
CN7501
CN1007
L7611
L7604
L7603
L7602
L7605
IC7601
IC7502
Q7601, Q7602, Q7604~Q7607, Q7616
IC7603, IC7607, IC7608
T7501
L7501, L7503
F7501
IC7501, Q7503
Q7501
1
2
3
4
5
A
B
C
D
E
F
G
H

4.40 VIDEO SYSTEM BLOCK DIAGRAM



0 1 MAIN
0 3 CCD
0 2 MDA
0 6 MMC
0 2 MDA
0 4 MONITOR
0 8 AUDIO VF
VF BL
OP BLOCK
CCD
CCD_OUT
IC4201 (CDS/AGC/AD)
ADIN (0~9)
IC4301 (CAMERA DSP)
IC3002 (16M_DRAM)
PD (0~15)
IC3101 (DIGITAL IF)
TPA +/-, TPB +/-
J101 DV JACK
PHY (D0~D3)
DY0 (0~3)
DC0 (0~3)
DYI (0~3)
DCI (0~3)
IC3001 (DVMAIN)
HSE
IC3501 (PRE/REC AMP)
HEAD
PB_ENV
PBDATA
IC3201 (DVEQ)
PB0
IC3301 (DVANA)
ADDT (0~15)
LCD_Y
LCD_R-Y
LCD_B-Y
DV_Y
DV_C
TG_RST
TG_CS
TG_DATA
TG_CLK
IC5001 (TG/VDR)
IC1001 (SYSCON CPU)
BUS (0~15)
IC4802~IC4804
IC4806,IC4807
(IRIS CTL & IRIS DRIVER)
IRIS_O/C/HALL_AD
IC4851 (FOCUS DRIVER & ZOOM DRIVER)
AFZ_DATA
X1002 32KHz
IC1004 (RTC)
IC1003 (E² PROM)
S_DT_IN
S_DT_OUT
BUS (0~15)
ADDT (0~15)
IC3701 (VIDEO AMP)
Y_OUT, C_OUT, V_OUT
Y_OUT
C_OUT
V_OUT
MULTI PIN
IND
IC1002 (ON SCREEN)
IC1401 (MSD CPU)
OSD_DATA
MMC SOCKET
(FOR DVX9/DVX10)
Data2MMC
Data2Host
IC8102 (BUF)
IC8101 (AU DSP)
H32_DT_OUT
H32_DT_IN
Data2Host
DS_CA_ (Y0~Y7)
DS_CA_ (C0~C7)
CA_DS_ (Y0~Y07)
CA_DS_ (C0~C07)
IC8001 (DSC IF)
S_ (D0~D15)
S_ (A0~A11)
IC8002 (16M_SDRAM)
32_A (12~30)
32_D (00~15)
IC8004 (MEMORY)
IC8003 (M32RX CPU)
(FOR DVX9/DVX10)
LCD_Y
LCD_R-Y
LCD_B-Y
LCD_FRG
LCDIND_R
LCDIND_G
LCDIND_B
IC7601 (RGB SIGNAL PROCESS)
R_OUT
G_OUT
B_OUT
IC7604
VF_R
VF_G
VF_B
R
G
B
LCD MODULE (VF)
MON_R
MON_G
MON_B
R G B
LCD MODULE (MONITOR)
5
4
3
2
1
A
B
C
D
E
F
G
H

4.41 REGULATOR SYSTEM BLOCK DIAGRAM



01 MAIN (REG/REG_CTL/CPU)
BATT. TERMINAL
+
T
–
TP1
TP2
TP3
06 MMC
02 MDA
CN601
12
LITHIUM
CN208
3
CN206
76
CN1002
76
BT8501
IC6101
VCC
VIN3
VG3
VGL3
VIN1
VG1
VGL1
VIN5
VG5
VIN4
VG4
VIN2
VG2
VIN7
VG7
NON7
VIN6
VG6
VIN8
VG8
NON8
STB6
STB
SW REG CONTROLLER (8ch)
32
66
67
69
40
39
37
75
76
72
73
61
62
23
22
14
78
79
26
25
19
41
43
F6102
F6101
F6104
F6103
L6101
Q6112
DRV
Q6113
SW
Q6108
Q6109
Q6106
Q6107
Q6110
Q6103
Q6105
Q6104
D6201
D6202
Q6203
BUF
Q6206
IC6401
REG 4.6V
Q6201
DIF AMP
Q6202
REG 12V
Q6204
Q6205
REG –7V
UNREG
M_UNREG
A_REG2.9
D_REG2.9
DSC_3V
REG_15.5
REG_12V
MON_4.6V
REG_4.6V
REG_–15V
CCD_–7V
REG_1.8V
SP_UNREG
Z_UNREG
DRUM_PWR
DRUM_ERR
M_REG4.8
CAP_PWR
CAP_ERR
CN1014
19
CHG STOP
AL3V_SYS
R6002
R6007
Q6004
POWER OFF:ON
R6006
Voltage DET at Pin2
<5.2V:Pin1=L (POWER OFF)
<4.2V:Pin1=L (POWER ON)
IC6001
BATT DC DET at POWER OFF
2
1
R6003
R6005
Q6005
POWER ON:H
L:ON
Q6001
Q6002
Q6003
L:ON
PWR_CTL
IC1001
BATT_SW
RST
AL_3V
BATT_CHK
PWR_CTL
29
38
138
58
IC6004
RESET
1
2
IC6003
AL_3V REG
1
3
L6001
C6005
IC1004
VDD
8
LIT_3V
R6018
R6017
D6001
D6002
AL_3V
L1002
AL_3V
Q6007
BATT CHK
4
3
5
2
R6012
R6013
IC6002
AL3.5V REG
3
2
C6004
C6003
Q6006
H:ON
R6009
R6010
1
2
3
4
5
A
B
C
D
E
F
G
H

4.42 VOLTAGE CHARTS

Note: Parts whose data cannot be obtained by physical measurement (for example, CSP IC, etc.) are omitted from the following chart in some cases.

<CPU>

MODE PIN NO.	REC	PLAY
IC1002		
1	2.7	2.7
2	0	0
3	2.7	2.7
4	3	3
5	3	3
6	3	3
7	1.5	1.5
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.9	2.9
20	2.8	2.8
IC1003		
1	3	3
2	2.3	2.3
3	3	3
4	0	0
5	3	3
6	3	3
7	3	3
8	3	3
IC1004		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
IC1005		
1	3	3
2	3	3
3	3	3
4	0	0
5	3	3
6	3	3
7	3	3
8	3	3
IC1006		
1	3	3
2	3	3
3	3	3
4	0	0
5	0	0
6	0	0
7	0	0
8	3	3
IC1008		
1	3	3
2	3	3
3	3	3
4	0	0
5	3	3
6	3	3
7	3	3
8	3	3
IC1009		
1	3	3
2	3	3
3	3	3
4	0	0
5	2.9	3
6	3	3
7	3	3
8	3	3

<MSD CPU>

MODE PIN NO.	REC	PLAY
IC1402		
1	2.8	2.8
2	0	0
3	2.8	-
4	0	0
5	3	-
6	3	3
7	3	-
8	3	3
IC1403		
1	3	3
2	3	3
3	3	3
4	0	0
5	3	3
6	3	3
7	3	3
8	3	3
IC1405		
1	3	3
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	3	3
8	3	3
Q1401		
E	3	3
C	3	3
B	3	3
Q1402		
1	0	0
2	3	3
3	3	2.9
4	2.8	2.8
5	0	0
Q1403		
1	0	0
2	0	0
3	3	2.9
4	0	0
5	2.9	2.9
Q1405		
E	0	0
C	0.5	0.7
B	0	0
Q1406		
E	-	-
C	-	-
B	-	-
Q1407		
E	-	-
C	-	-
B	-	-
Q1408		
E	-	-
C	-	-
B	-	-

<A/HP SEL>

MODE PIN NO.	REC	PLAY
IC2701		
1	0.8	0.5
2	0	0
3	0	0
4	0	0
5	4.7	4.7
IC2751		
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	-7.2	-7.2
8	0	0
9	4.7	4.7
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	4.7	4.8
Q2701		
E	0	0
C	0	0
B	3	3
Q2703		
E	0	0
C	0	0
B	-0.4	0
Q2704		
E	0	0
C	0	0
B	0	0
Q2705		
E	0	0
C	4.7	4.7
B	0	0
Q2751		
E	0	0
C	0	0
B	3	3
Q2752		
E	4.7	4.7
C	0	0
B	4.7	4.7
Q2753		
E	4.7	4.7
C	0	0
B	3.5	3.5
Q2754		
E	0	0
C	3.5	3.5
B	0	0
Q2755		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
Q2756		
E	-	-
C	-	-
B	-	-
Q2757		
E	-	-
C	-	-
B	-	-
Q2758		
E	0	0
C	0	0
B	3	3
Q2759		
E	0	0
C	4.7	4.7
B	0	0
Q2760		
E	0	0
C	0	0
B	0	0

<DVMAIN>

MODE PIN NO.	REC	PLAY
IC3004		
1	0	0
2	1.6	0.8
3	0	0
4	1.8	0.9
5	1.8	1.8
IC3005		
1	1	1
2	1	1
3	0	0
4	0	0.9
5	2	2

<DVEQ/DVANA>

MODE PIN NO.	REC	PLAY
IC3202		
1	2.7	1.3
2	0	3
3	0	0
4	3	1.1
5	3	3
IC3203		
1	1.8	1.8
2	0	0
3	1.3	1.2
4	2	2
5	3	3
IC3301		
1	0	0
2	2.2	1.3
3	0	1.4
4	0	0.7
5	0	1.7
6	1.1	1.1
7	0	1.8
8	0	1
9	0	0
10	0	0
11	0	0
12	0	0
13	3	3
14	3	3
15	2.2	1.9
16	3	3
17	0	1.2
18	0	1.5
19	0	0
20	0	1.4
21	0.7	1.7
22	0.7	1.6
23	3	3
24	3	3
25	2.9	0
26	3	3
27	0.8	0
28	0	0
29	0	0
30	2.2	2.2
31	0.5	0.5
32	2.2	2.2
33	0.6	0.5
34	1.9	1.9
35	1.8	1.5
36	1.7	1.5
37	2.2	1.6
38	0	1.5
39	0	0
40	0	0
41	0	0
42	0	0
43	1.6	1.6
44	1.4	1.5
45	1.2	1.2
46	0.7	0.7
47	1.2	1.3
48	1.8	1.8
49	1.3	1.3
50	0.6	0
51	0	0
52	0	0
53	0.5	0.5
54	1.5	1.5
55	3	3
56	3	3
57	3	2.9
58	3	3
59	2.7	2.7
60	2.5	2.4
61	0	1.5
62	2.6	2.5
63	1.9	2
64	0.4	0.8
Q3551		
E	4.8	4.8
C	4.8	4.8
B	4.1	4.8
Q3552		
E	0	0
C	0	4.8
B	0	0

<PRE/REC>

MODE PIN NO.	REC	PLAY
IC3501		
1	3	2.3
2	2.6	1.9
3	3	3
4	0	0
5	0	0
6	0	0
7	2.7	3
8	0	0.7
9	0.5	0
10	0	0
11	2.7	2.6
12	0.6	0.6
13	2.6	2.6
14	3	3
15	0.6	0.6
16	0	0
17	0	0
18	0.8	0.5
19	4.8	4.8
20	1.2	1.3
21	0.6	0.7
22	2.7	2.2
23	0	0
24	2.2	1.1
25	3	3
26	0	0
27	0	0
28	-0.9	1.8
29	4.8	4.8
30	4.8	4.8
31	4.7	4.8
32	-1	1.8
33	0	0
34	0	0
35	3	3
36	1.6	1.1
37	0	0
38	2.7	2.2
39	0.7	0.7

MODE PIN NO.	REC	PLAY
40	1.3	1.3
41	0	0
42	0	0
43	3	0
44	0	0
45	1.5	3
46	3	1.5
47	0	3
48	2.9	3
49	0	0
50	0	0
51	0	0
52	0	0
53	0	0
54	0.7	0
55	0.6	2.3
56	0	0
57	2.7	1.1
58	3	2.2
59	3	2
60	3	3
61	2.6	1.8
62	3	2.5
63	0	0
64	1.6	1
Q3501		
E	0	0
C	2.4	1.1
B	0.6	0.7
Q3502		
E	0	0
C	0	0
B	-0.8	0.7
Q3503		
E	0	0
C	0	0
B	-0.7	0.7
Q3504		
E	0	0
C	1.9	1.1
B	0.7	0.7

<VIDEO OUT>

MODE PIN NO.	REC	PLAY
IC3701		
1	1.8	0
2	1.5	1.5
3	1.3	0
4	1.2	2.3
5	0	0
6	0	0
7	0	0
8	0	0
9	2.8	0
10	0	0
11	1.9	0
12	0	0
13	0	0
14	2	0
15	4.8	4.8
16	3	3
17	30	0
18	1.4	0
19	1.8	0
20	1.9	0
IC3702		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
Q3701		
E	0	0
C	0	0
B	3	3
Q3707		
1	1.2	1.2
2	0.7	0.6
3	0	0
4	0	0
5	0.6	0.6
6	0	0
Q3705		
E	-	-
C	-	-
B	-	-
Q3706		
E	-	-
C	-	-
B	-	-
Q3708		
E	0	0
C	0	0
B	0	0
Q3709		
E	0.8	0.7
C	0	0
B	0	0
Q3710		
E	1.2	1.2
C	1.2	1.2
B	0.7	0.7
Q3711		
E	0.8	0.8
C	4.8	4.8
B	1.2	1.2
Q3712		
1	4.8	4.8
2	4.8	4.8
3	4.8	4.8
4	0.7	0.7
5	0	0
Q3713		
E	0	0
C	4.8	4.8
B	0	0
Q3714		
E	-	-
C	-	-
B	-	-
Q3731		
E	1.7	1.6
C	0	0
B	1.1	1

<ANALOG VIDEO I/O>

MODE PIN NO.	REC	PLAY
IC3851		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
Q3801		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
Q3851		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
Q3852		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
Q3853		
E	-	-
C	-	-
B	-	-
Q3855		
E	-	-
C	-	-
B	-	-
Q3856		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
Q3857		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
Q3858		
E	-	-
C	-	-
B	-	-

<CDS>

MODE PIN NO.	REC	PLAY
IC4201		
1	0	0
2	1.2	0
3	1.2	0
4	1.3	0
5	1.3	0
6	1.2	0
7	1.7	3.1
8	1.2	0
9	1.4	0
10	0.9	0
11	0	0
12	0	0
13	0	0
14	0	0
15	3.1	3.1
16	1.3	1.3
17	3	3
18	2.4	2.4
19	2.4	2.5
20	2.6	2.6
21	0	0
22	0	0
23	3	3.1
24	0	0
25	0	0
26	2	0.5
27	1.5	1.4
28	2	0
29	2	0
30	0	0
31	3	3.1
32	0	1.3
33	1	1.2
34	1.5	1.1
35	1.2	0
36	0	0
37	0	0
38	3	3.1
39	0	0
40	0	0
41	3	3.1
42	0	0
43	3	3
44	3	3
45	3	3
46	3.1	3
47	0	0
48	0	0
IC4202		
1	0	0
2	4.8	4.8
3	3.1	3.1

<DSP>

MODE PIN NO.	REC	PLAY
IC4302		
1	3	3
2	0	0
3	1.3	1.2
4	2.4	2.4
5	3	3
IC4304		
1	2.9	2.9
2	3	3
3	3	3
4	0	0
5	0	0
6	0	0
7	2.8	2.8
8	3	3
IC4305		
1	0	0
2	0	0
3	0	0
4	0	0
5	2.8	2.8
6	2.9	2.8
7	2.9	2.9
8	3	3
IC4401		
1	0	0
2	2	2
3	1.6	1.6
4	0	0
5	0	0
6	1.5	1.5
7	0	0
8	3	3
9	0.7	0.7
10	3	3
11	3	3
12	1.9	1.9
13	1.2	1.2
14	2.7	2.5
15	0	0
16	3	3
17	3	3
18	0.8	0.8
19	2.7	2.7
20	0	0
Q4351		
E	1.2	1.2
C	0	0
B	0.6	0.6
Q4352		
1	0.7	0.7
2	0.7	0.7
3	0	0
4	0	0
5	0	0
6	0	0
Q4353		
1	1.2	1.2
2	1.1	1.1
3	0.6	0.6
4	0	0
5	0.6	0.6
6	0	0
Q4354		
E	1.1	1.1
C	0	0
B	0.5	0.5

<TG/VDR>

MODE PIN NO.	REC	PLAY
IC5001		
1	0	0
2	3	3
3	3	3
4	0	0
5	3	3
6	3.1	3
7	0	0
8	3	3
9	3	3
10	3	3
11	3.5	3.5
12	0.5	0.5
13	0	0
14	0	0
15	1.6	1.7
16	0	0
17	0	0
18	1.3	1.2
19	3.5	3.5
20	2.4	2.3
21	2.4	2.4
22	3	3.1
23	0	0
24	1.2	1.1
25	2.6	2.6
26	3	3
27	3	3
28	0	0
29	0	0
30	0	0
31	0.4	0
32	0	0.5
33	3	3
34	0	0
35	1.1	1.1
36	1.2	1.3
37	1.1	1.1
38	3	3
39	0	0
40	0	0
41	0	0
42	1.4	1.4
43	0	0
44	0.6	0.6
45	0	0
46	0	0
47	1.5	1.5
48	1.5	1.5
49	1.5	1.5
50	0	0
51	0	0
52	-7.3	-7.3
53	0	0
54	14.8	14.8
55	0	0
56	0	0
57	0	0
58	0	0
59	0	0
60	-7.2	-7.2
61	-7.6	-7.6
62	-7.2	-7.2
63	-7.6	-7.6
64	0	0
IC5002		
1	4.8	4.8
2	0	0
3	-	-
4	3.5	3.5
5	4.8	4.8
IC5004		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

<REG CTL>

MODE PIN NO.	REC	PLAY
IC6001		
1	6.7	6.7
2	6.5	6.5
3	0	0
4	0	0
IC6002		
1	0	0
2	6.7	6.8
3	3.3	3.3
4	0	0
5	0	0
IC6003		
1	3	3
2	0	0
3	6.7	6.7
IC6004		
1	3	2.6
2	3	3
3	0	0
4	0	0
Q6001		
G	0	0
D	6.7	6.8
S	6.8	6.7
Q6002		
G	6.7	6.7
D	0	0
S	0	0
Q6003		
G	3	3
D	0	0
S	3.9	3.9
Q6004		
G	0	0
D	6.5	6.5
S	0	0
Q6005		
G	3	3
D	0	0
S	0	0
Q6006		
G	0	0
D	6.6	6.7
S	6.7	6.7
Q6007		
1	0	0
2	3	3
3	6.8	6.8
4	6.8	6.8
5	0	0

<REG>

MODE PIN NO.	REC	PLAY
IC6101		
1	0.4	0.4
2	0.4	0.4
3	0.4	0.4
4	1.1	1.1
5	1	1
6	1.5	1.5
7	4.3	4.3
8	1.5	1.5
9	0.6	0.7
10	1.5	1.5
11	3.1	3.1
12	0.8	0.8
13	0	0
14	0	0
15	0	0
16	0	0
17	0.7	0.7
18	0	0
19	0	0
20	0	0
21	0	0
22	5	5
23	6.8	6.7
24	0	0
25	5.6	5.6
26	6.8	6.8
27	1.3	1.3
28	0.5	0.5
29	0	0
30	0	0
31	1.5	1.5
32	6.7	6.7
33	4	4
34	2.1	2.1
35	0.5	0
36	0	0
37	1.9	1.9
38	0	0
39	4	4
40	6.7	6.7
41	3	3
42	3	2.9
43	3	3
44	2.3	2.3
45	1.5	1.5
46	0.9	0.9
47	1.8	1.8
48	1.5	1.5
49	0.8	0.8
50	2.3	2.3
51	1.5	1.5
52	0.9	0.9
53	0	0
54	0	0
55	1.5	1.5
56	1.1	1.1
57	3	3
58	1	1
59	0.4	0.4
60	0.4	0.4
61	6.7	6.7
62	4.8	4.8
63	0	0
64	0	0
65	0	0
66	6.7	6.7
67	3.6	3.5
68	0	0
69	1.6	1.6
70	0	0
71	0	0
72	6.7	6.7
73	1	1.8
74	0	0
75	6.7	6.7
76	2.7	2.7
77	0	0
78	6.8	6.7
79	0	0
80	0	0
IC6401		
1	4.8	4.8
2	0	0
3	1.2	1.2
4	4.5	4.5
5	4.8	4.8
Q6103		
G	4.9	4.9
D	1.8	1.7
S	6.7	6.8
Q6104		
G	5.7	5.6
D	0.9	1
S	6.7	6.7
Q6105		
G	5.5	5.5
D	4.9	4.9
S	6.8	6.8
Q6106		
G	2.7	2.7
D	0	0
S	6.7	6.7
Q6107		
G	1.8	1.8
D	4.9	4.9
S	6.7	6.7
Q6108		
G	4	4
D	3.1	3
S	6.7	6.7
Q6109		
G	1.9	1.9
D	3	3
S	0	0
Q6110		
G	4.8	4.8
D	1.8	1.8
S	6.7	6.7
Q6112		
G	3.6	3.5
D	3	3.1
S	6.7	6.7
Q6113		
G	0	1.6
D	3.1	3
S	0	0
Q6201		
1	4	4
2	4.6	4.6
3	0	15.1
4	4	4
5	4.5	4.5
6	15.6	0
Q6202		
E	15.6	15.6
C	11.8	11.8
B	15	15.1
Q6203		
E	14.8	14.8
C	15.6	15.7
B	15.5	15.5
Q6204		
1	-7.1	-7.1
2	-7.6	-7.6
3	-11.5	-11.5
4	-7.1	-7.1
5	-7.6	-7.1
6	-15.9	-7.6
Q6205		
E	-12.1	-12.1
C	-7.6	-7.6
B	-11.5	-11.5
Q6206		
E	-15.3	-15.3
C	-15.9	-15.9
B	-15.8	-15.8
Q6207		
E	0	0
C	15.6	15.6
B	-0.8	-0.9

<STROBE SUB>

MODE PIN NO.	REC	PLAY
IC6601		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
Q6601		
E	-	-
C	-	-
B	-	-
Q6602		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
Q6611		
E	-	-
C	-	-
B	-	-
Q6612		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
Q6613		
E	-	-
C	-	-
B	-	-
Q6614		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
Q6615		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-

<DSC>

MODE PIN NO.	REC	PLAY
IC8005		
1	3	3
2	3	3
3	0	0
4	0	0
5	3	3
IC8006		
1	3	3
2	0	0
3	1.3	1.2
4	2.5	2.5
5	3	3
IC8007		
1	4.8	4.8
2	0	0
3	1.3	1.3
4	3.3	3.3
5	4.8	4.8
IC8008		
1	1.4	1.4
2	1.4	1.4
3	3	3
4	0	0
5	0	0
6	1.5	1.5
7	1.3	1.1
8	3	3
IC8009		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

<AU DSP>

MODE PIN NO.	REC	PLAY
IC8102		
1	0	0
2	3	3
3	1.2	0.5
4	3	3.1
5	3	3
6	3	3
7	3	3.1
8	0	0
9	3	3
10	0	0
11	3	3
12	0	0
13	1.1	0.5
14	3	3
15	0	0
16	3	3
17	0	0
18	3	3
19	3	3
20	3	3
IC8103		
1	0	0
2	1.5	1.5
3	0	0
4	1.5	1.5
5	3	3

<W/B>

MODE PIN NO.	REC	PLAY
IC1101		
1	2.4	2.3
2	2.4	2.4
3	0	0
4	4.8	4.8
5	2.4	2.4
6	2.4	2.4
7	2.4	0
8	0	4.8

<IR/TALLY>

MODE PIN NO.	REC	PLAY
IC1801		
1	4.8	4.8
2	4.4	4.4
3	0	0
4	0	0
Q1801		
E	0	0
C	0	1.8
B	3	0

<MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	0.9	0.9
3	0.8	0.8
4	0	0
5	0.8	0.8
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	4.9	4.9
15	0	0
16	0.5	0.5
17	0	0
18	0.5	0.5
19	0	0
20	0.4	0.4
21	0	0
22	0	0
23	0.9	0.9
24	6.7	6.7
25	1.5	1.5
26	1.5	1.5
27	1.5	1.5
28	1.5	1.5
29	1.5	1.5
30	1.5	1.5
31	1.5	1.5
32	1.5	1.5
33	1.5	1.5
34	1.5	1.5
35	3	3
36	3	3
37	0	0
38	0.7	0.7
39	0.7	0.7
40	1.2	1.2
41	1.5	1.5
42	0.5	0.5
43	3	3
44	0	0
45	0	0
46	0	0
47	3	3
48	0	0
49	3	3
50	2	2
51	0	0
52	1.5	1.5
53	1.2	1.1
54	0.5	0.5
55	0.7	0.7
56	0.7	0.7
57	1.1	1
58	0.7	0.7
59	0	0
60	1.1	1.1
61	2.7	2.7
62	1.2	1.2
63	1.5	1.5
64	1.5	1.5
65	1.5	1.5
66	1.5	1.5
67	1.5	1.5
68	0.5	0.5
69	0	0
70	0.8	0.8
71	0.8	0.8
72	0.8	0.8
73	0.9	0.8
74	1.2	1.2
75	0.4	0.4
76	0	0
77	6.7	6.7
78	1.7	1.7
79	0	0
80	0	0
Q1601		
1	0	0
2	0	0
3	4.9	4.9
4	0	0
5	4.9	4.9

<IRIS & AF/ZOOM>

MODE PIN NO.	REC	PLAY
IC4802		
1	2.8	2.8
2	2.2	2.2
3	2.2	2.2
4	0	0
5	0	0
6	2.2	2.2
7	2.2	2.2
8	4.8	4.8
IC4803		
1	1.2	1.2
2	0.5	0.5
3	0.5	0.5
4	0	0
5	2.1	2.1
6	2.2	2.2
7	0.6	0.6
8	4.8	4.8
IC4804		
1	1.2	0
2	1.3	0
3	1.3	0
4	0	0
5	1.9	1.6
6	1.9	1.6
7	0.9	2.8
8	4.8	4.8
IC4806		
1	1.3	0
2	1.3	0
3	1.2	0
4	1.3	0
5	3	3
6	1.7	3
7	1.7	3
8	3	3
IC4807		
1	1.6	1.6
2	1.6	1.6
3	4.8	4.8
4	0	0
5	1.6	1.6
6	1.6	1.6
7	4.8	4.8
8	4.8	4.8
IC4851		
1	0	0
2	0.4	0.4
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	3	3
9	6.8	6.7
10	0	0
11	0	0
12	0	0
13	6.7	6.7
14	0	0
15	0	0
16	0	0
17	0	0.7
18	0	0
19	0	0
20	0	0
21	0.8	0
22	0	0
23	6.7	6.7
24	0	0
25	0	0
26	0	0
27	6.7	6.8
28	0	0
29	0	0
30	0	0
31	3	3
32	0	0
33	0	0
34	3	3
35	3	3
36	1.5	1.5
37	1.5	1.5
38	0	3
Q4801		
E	0.5	0.5
C	1.6	1.6
B	1.2	1.2
Q4802		
E	0	0
C	1.9	1.6
B	0	0
Q4803		
E	0	0
C	4.8	4.8
B	0	0
Q4804		
E	4.8	4.8
C	1.9	1.6
B	4.8	4.8
Q4805		
E	4.8	4.8
C	1.6	1.6
B	4.8	4.8
Q4851		
E	0	0
C	3.6	0
B	0	0.7

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	0	1.3
2	0	0
3	1.3	0
4	0	0
5	3	3
6	3	3
7	0	0
8	1.5	0
9	1.3	1.3
10	1.5	1.5
11	1.5	1.5
12	1.5	1.5
13	3	0
14	0	1.3
15	1.4	1.3
16	1.1	1.3
IC2102		
1	0	0
2	0.8	0.8
3	0	0.8
4	0	0
5	3	3
6	3	3
7	0	0
8	0	0
9	0	0
10	1.5	1.5
11	1.5	1.5
12	1.5	1.5
13	0	0
14	0	0
15	0	0
16	0	0
Q2101		
E	0	0
C	0	0
B	0	0
Q2102		
E	0	0
C	0	0
B	0	0

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
IC2201		
1	1.5	0.5
2	1.5	0.5
3	1.5	0.5
4	1.5	1.5
5	1.5	1.5
6	1.5	1.6
7	0	0
8	2.2	2.3
9	2.2	2.3
10	1.6	0
11	1.5	1.6
12	1.5	1.5
13	1.5	1.6
14	1.5	0.5
15	1.5	0.5
16	1.6	0.5
17	1.5	1.6
18	1.6	1.6
19	15	1.2
20	1.5	0.8
21	1.5	1.6
22	2.8	3
23	1.5	1.7
24	1.5	1.5
25	2.3	2.1
26	0	0.5
27	2.4	2.1
28	2.8	1.7
29	2.3	2.3
30	2.4	2.1
31	2.4	2.4
32	2.4	2.1
33	5.2	4.6
34	4.6	4.6
35	0	0
36	2.4	2.3
37	4.6	4.6
38	2.4	2.1
39	3	3
40	0	0
41	3	3
42	0	2.3
43	2.4	2.1
44	3	3
45	1.5	1.6
46	0	0
47	2.3	2.3
48	2.8	1.7
49	1.6	1.6
50	1.5	1.6
51	1.5	1.6
52	1.6	0
53	1.6	0
54	3	3
55	0	0
56	2.3	2.1
57	1.5	1.6
58	1.5	1.6
59	2.8	3
60	1.5	1.6
61	1.5	1.3
62	1.5	1
63	1.5	1.7
64	1.5	1.6
IC2301		
1	2.3	2.3
2	2.3	2.3
3	2.3	2.3
4	0	0
5	2.3	2.3
6	2.3	2.3
7	2.3	2.3
8	4.6	4.6
IC2302		
1	2.3	2.3
2	2.3	2.3
3	2.3	2.3
4	0	0

MODE PIN NO.	REC	PLAY
5	2.3	2.3
6	2.3	2.3
7	2.3	2.3
8	4.6	4.6
Q2201		
E	0	0
C	0	0
B	0.7	0.6
Q2301		
E	1.4	1.4
C	4.6	4.6
B	2	2
Q2401		
E	2.8	3
C	4.8	4.8
B	3.5	3.6
Q2403		
E	5.2	4.6
C	6.7	6.7
B	5.9	5.8
Q2603		
E	0.9	1.1
C	2.8	3
B	1.5	1.6
Q2604		
E	0.9	1.1
C	2.8	3
B	1.5	1.6
Q2755		
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0

<AUDIO NR>

MODE PIN NO.	REC	PLAY
IC2103		
1	1.4	0
2	1.5	0
3	0	0
4	3	3
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	3	3
14	3	3
15	3	3
16	0	0
17	0	0
18	0	0
19	3	0
20	3	0
21	1.5	1.5
22	1.5	1.5
23	1.5	1.5
24	0	0

<VF A>

MODE PIN NO.	EE
Q7401	
1	5.3
2	5.8
3	0
4	5.8
5	5.3
6	11.8

<CCD>

MODE PIN NO.	EE
CN5202	
1	0
2	0
3	-7.2
4	-7.2
5	0
6	0
7	0
8	11.2
9	-7.6
10	13.4
11	0
12	14.8
13	0
14	1.8
15	1.4
16	8.5
Q5201	
E	10.4
C	14.8
B	11.2

<MONITOR>

MODE PIN NO.	EE
IC7501	
1	-
2	1
3	1.4
4	1.1
5	2.5
6	0.7
7	0.9
8	0
9	6.7
10	2.2
11	0.7
12	1.9
13	1.2
14	1.2
15	0
16	2.5
IC7502	
1	0
2	2.2
3	0
4	0.8
5	3
IC7601	
1	2.3
2	0.8
3	2.6
4	2.6
5	3.2
6	4.5
7	19
8	3.2
9	3.2
10	0.4
11	6
12	6
13	11.8
14	6
15	6
16	0
17	6.1
18	6.1
19	0
20	0
21	0
22	0
23	3
24	2.8
25	0
26	0
27	0
28	1.2
29	2.8
30	0.9
31	1
32	0.7
33	3
34	0
35	0
36	2.7
37	0.4
38	2.3
39	0
40	3.3
41	0
42	0
43	1.5
44	1.6
45	2.1
46	0
47	0
48	2.4
49	0
50	3
51	0
52	3.3
53	3.3
54	0
55	0
56	2.5
57	0
58	2.6
59	3
60	2.3
61	2.6
62	2.6
63	2.6
64	3.3
IC7603	
1	3
2	0
3	3
4	0
5	3
6	3
7	3
8	3
IC7604	
1	5.8
2	6.1
3	5.8
4	5.9
5	6.1
6	0
7	0
8	0
9	0
10	0
11	0
12	6.1
13	5.7
14	6
15	6.1
16	11.8
IC7607	
1	0
2	0
3	0
4	3
5	3
IC7608	
1	1.5
2	3
3	0
4	1.5
5	3.1
Q7501	
1	0
2	3
3	6.7
4	0
5	0
6	6.6
Q7502	
G	0.8
D	6.6
S	0
Q7503	
E	0
C	6.7
B	0
Q7504	
1	1.9
2	1.9
3	1.3
4	0
5	1.4
6	0.8
Q7601	
E	-
C	-
B	-
Q7602	
1	0
2	3
3	4.5
4	4.5
5	0
Q7604	
E	4.5
C	2.2
B	2.4
Q7605	
E	4.5
C	2.3
B	4.5
Q7606	
E	4.5
C	2.3
B	4.5
Q7607	
E	4.5
C	1
B	4.5
Q7608	
1	-10.7
2	-10.1
3	-15.3
4	0
5	0
6	0
Q7609	
E	-10.1
C	0
B	-9.6
Q7610	
E	-10.1
C	-15.2
B	-10.6
Q7615	
E	3
C	3
B	0
Q7616	
1	0
2	3
3	4.5
4	4.5
5	0
Q7618	
E	0
C	0
B	3

<STROBE>

MODE PIN NO.	EE
IC6502	
1	2.3
2	0
3	0
4	0
5	4.8
Q6501	
E	0
C	4.5
B	49
Q6502	
E	0
C	4.5
B	0
Q6503	
E	4.9
C	0
B	4.5
Q6504	
E	0
C	0
B	0
Q6506	
E	0
C	-
B	0